

Appendix C.

Statistical Methodology

MAIL LIST MODEL

Classification analysis was performed to predict the probability that an addressee on the 1992 mail list operated a farm, and thereby separated the preliminary mail list into probable farm and probable nonfarm classes. The analysis was used to reduce the preliminary census mail list of 3.78 million records to a final mail list size of 3.55 million records. All 3.55 million addresses on the final mail list received a census of agriculture report form.

Records from the 1987 final census mail list were used to build a 1992 prediction model for the 1992 analysis. Classification and Regression Trees (CART) software analyzed characteristics of known 1987 farm and nonfarm operations to determine which were most useful in predicting farm and nonfarm classes. Record characteristics such as the source of the mail list record, number of source lists on which the record appeared, expected value of agricultural sales, and geographic location were used to separate mail list records into model groups. (Sources included the previous agriculture census mail list, the Internal Revenue Service administrative records, U.S. Department of Agriculture, and special commodity lists.) The proportion of 1987 census farm records in each model group was calculated to provide an estimate of the probability that an addressee in the group operated a farm.

After the model groups were defined, each address record on the 1992 preliminary mail list was assigned to a model group by matching record characteristics to model group characteristics. Records belonging to the groups with the highest farm probability were those more likely to be farms according to the classification tree methodology. The model, followed by analyst reviews, was used to remove 229,700 records from the preliminary mail list (those in model groups with the lowest farm probability), and thereby designated the 3.55 million records with the highest farm probability to receive the census report form. This procedure was used to obtain a more complete census enumeration of farm operations without excessive respondent burden and data collection cost.

CENSUS SAMPLE DESIGN

Each of the 3.55 million name and address records on the census mail list was designated to receive one of three different types of census report forms. The three forms

were the nonsample form, the screener form, and the sample form. Sections 1 through 20 and 27 through 32 of the sample form are identical to sections on the nonsample form. The sample form, sections 21 through 26, contains additional questions on usage of fertilizers and chemicals, farm production expenditures, value of machinery and equipment, value of land and buildings, and farm-related income. The screener form is identical to the nonsample form with questions added in section 1 to allow quick identification of nonfarm addresses. These three different forms were used to reduce the response burden of the census, while providing reliable information on a large number of data items.

The sample form was mailed to all mail list records in Alaska, Hawaii, and Rhode Island, and to a sample of records in other States selected from the final mail list. Addresses were selected into the sample with certainty (1) if they were expected to have large total value of agricultural products sold or large acreage, (2) if they were multiunit operations (i.e., separate farms in more than one location), (3) if they had other special characteristics, or (4) if they were in a county with less than 100 farms in 1987. Other addresses in counties containing 100 to 199 farms in 1987 were systematically sampled at a rate of 1 in 2, and other addresses in counties containing 200 farms or more in 1987 were systematically sampled at a rate of 1 in 6. This differential sampling scheme was used to provide reliable data for the sample sections of the report form for all counties. When a nonsample large farm was identified during processing, a supplemental form that contained the additional sample data inquiries was mailed.

To determine which mail list records would receive the screener form, all mail list records not designated for the sample were sorted by model group farm probability as specified by the mail list model. The 412,000 mail list records in the model groups with the lowest probability of being farms and with an expected total value of agricultural product sales less than \$25,000 were designated to receive the screener report form. The remaining mail list records received the nonsample report form.

CENSUS ESTIMATION

The 1992 Census of Agriculture used two types of statistical estimation procedures. These estimation procedures accounted for nonresponse to the data collection

and for the sample data collection. These procedures are necessary because some farm operators never respond to the census despite numerous attempts to contact them, and the estimates for the sample data are based on a sample of farm operators rather than a full enumeration.

Whole Farm Nonresponse Estimation

A statistical estimation procedure was used to account for nonrespondent farm operators to the census. We excluded large and unique farm operations that received intensive telephone followup during census processing assuming complete response from them. A stratified systematic sample of remaining census nonrespondents were contacted by enumerators using a computer assisted telephone interview system. Five sample strata were defined based on expected value of sales, previous census status, and whether the record was identified by the mail list model to receive the screener report form. The nonresponse survey telephone interview was designed to provide sufficient information to determine the farm status of each record.

In situations where the nonresponse survey case could not be contacted, the contact person refused to cooperate, or when no phone number could be obtained, a screener report form was sent by certified mail.

Estimates of the proportion of census nonrespondents that operated farms were made for each stratum in the State using survey results and applied to the total number of census nonrespondents in that stratum. The number of census nonrespondents that operated farms for each county by stratum was then derived. This estimation procedure is based on the assumption that the distribution of farms in a stratum by county is the same for census nonrespondents as for census respondents.

Certain census respondent farms which exhibited "rare" commodities were designated as "ineligible" to represent census nonrespondent farms and were excluded from the nonresponse weighting operation. The procedure explained below was performed with only the eligible respondent cases. Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. The noninteger nonresponse weight is the ratio of the sum of the estimated number of nonrespondent farms from the nonresponse survey and the number of eligible census respondent farms to the number of eligible census respondent farms. Stratum controls were established to ensure that this weight was never greater than 2.0. The noninteger nonresponse weight was used in the calculation of the final weight for the sample items. The noninteger nonresponse weight was randomly rounded to an integer weight of either 1 or 2 for each record for tabulating the complete count items for publication.

Tables A and B quantify the effect of the nonresponse estimation procedure on selected census data items. The percentage in these tables are the percent of the census

value contributed by nonresponse estimation. This indicates the potential for bias in published figures resulting from nonresponse to the census. The estimates provided in these tables do not reflect the effect of item nonresponse to individual census data items. The effect of item nonresponse is discussed in the Census Nonsampling Error section.

Sample Estimation

Sample data estimates the population totals that would have resulted from a complete census for the items in sections 21 through 26 of the sample report form. The estimates were obtained from a ratio estimation procedure that resulted in the assignment of a weight to each respondent record containing sample items. For any given county, a sample item total was estimated by multiplying the data items for each farm in the county by the corresponding sample weight and summing over all sample records in the county.

Each respondent sample farm was assigned a sample weight for use in producing estimates for all sample items. For example, if the weight given to a sample farm had the value 6, all sample data items reported by that farm would be multiplied by 6. The weight assigned to a sample certainty farm was 1.

Other than certainty farms, within a county, the ratio estimation procedure for farms was performed in three steps using three variables. The first variable contained eight 1992 total value of agricultural production (TVP) groups. Both the second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The three sets of groups were as follows:

TVP	SIC	Acres
\$1 to \$999	01 All crops	1 to 69
\$1,000 to \$2,499	02 All livestock	70 or more
\$2,500 to \$4,999		
\$5,000 to \$9,999		
\$10,000 to \$24,999		
\$25,000 to \$49,999		
\$50,000 to \$99,999		
\$100,000 or more		

The first step in the estimation procedure was to classify the sample records into 32 mutually exclusive initial post strata formed by combining the three sets of groups. The total and sample farm counts were expanded to account for nonresponse. Each cell containing sample farm records was assigned an initial sample weight equal to the ratio of the total farm count to the sample farm count. This weight was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure was to combine, if necessary, the 32 initial post strata to increase the reliability of the ratio estimation procedure. Any stratum

that contained less than 10 sample farms after nonresponse adjustment or had a weight greater than two times the mail sample rate was collapsed with another stratum. The mail sample rate was either 2 or 6 depending on whether the count had a 1 in 2 or 1 in 6 sample selection rate. The collapsing occurred within the initial 32 post strata according to a specified collapsing pattern. After the collapsing process was completed, new total farm counts and sample farm counts were computed from each of the final post strata and were used in the ratio estimation procedure to calculate final sample weights.

The final step consisted of assigning the noninteger final post stratum weight to the sample farm records in each post stratum. The weight is the ratio of total farm count to sample farm count in each final post stratum. The noninteger sample weight, the product of the noninteger final post stratum weight and the nonresponse weight, was randomly rounded to an integer weight for tabulation. If, for example, the final weight for the farms in a particular post stratum was 7.2, then 0.2 or one-fifth of the sample farms in this post stratum were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

CENSUS SAMPLING ERROR

The sample for the 1992 Census of Agriculture is only one of a large number of possible samples of the same size that could have been selected using the same sample design. Sample refers to the sample for both the nonresponse survey and the selection of farms to receive the sample report forms. Estimates derived from all the possible samples would differ from each other only by random variation.

The standard error or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The percent relative standard error of an estimate is defined as 100 times the standard error of the estimate divided by the value of the estimate.

If all possible samples were selected, each of the samples were surveyed under essentially the same conditions, and an estimate and its standard error were calculated from each sample, then:

1. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.
2. Approximately 95 percent of the intervals from 1.96 standard errors below the estimate to 1.96 standard errors above the estimate would include the average value of all possible samples.

The following example illustrates the computations necessary for producing a confidence interval for an estimate. Assume that the estimate of number of farms for a State is

94,382 and the relative standard error of the estimate is .1 percent (0.001). Multiplying 94,382 by 0.001 yields 94, the standard error; therefore, a 90-percent confidence interval is 94,227 to 94,537 (i.e., 94,382 plus or minus 1.65 x 94). If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 90 percent of these intervals would contain the figure obtained from a complete enumeration. Similarly, a 95 percent confidence interval is 94,198 to 94,566 (i.e., 94,382 plus or minus 1.96 x 94).

Census items were classified as either complete count or sample count items. Complete count items were asked of all farm operators. Examples of complete count items were land in farms, harvested cropland, livestock inventory and sales, crop acreage, quantities harvested and crop sales, land use, irrigation, government loans and payments, conservation acreage, type of organization, and operator characteristics.

Sample count items were asked only of a sample of farm operators. These items appeared only in sections 21 through 26 of the sample report form. Sample count items were included under the following section headings: commercial fertilizers, chemicals, production expenses, farm machinery and equipment, value of land and buildings, and farm-related income.

Variability, measured as percent relative standard error, in the estimates of complete count items is due only to the nonresponse survey estimation procedure. Variability in the estimates of sample count items is due to both the nonresponse survey estimation procedure and the census sample selection and estimation procedures. Thus, variability in the sample count item estimates tends to be larger than the variability in the complete count item estimates.

Table C presents the percent relative standard error of selected U.S. data items for all farms, and table D presents the percent relative standard error of selected U.S. data items for all farms with sales of \$10,000 or more.

Table E presents the percent standard error for percent change in U.S. totals from 1987 to 1992. The general purpose of the percent change estimate is to provide a relative measure of the difference in a characteristic between censuses. The relative change for a given characteristic is defined as the ratio of the difference of the 1992 and the 1987 estimate for that characteristic to the 1987 estimate. This ratio is multiplied by 100 to obtain the percent change. The percent standard error of a percent change estimate, then, is the standard error of the ratio multiplied by 100.

Table F presents the percent relative standard error for U.S. and State totals for selected data items. The percent relative standard error of the estimate for the same item differs among States. Reasons for this are differences among States in (1) the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of the farms sampled, (4) the amount of nonresponse, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.

CENSUS NONSAMPLING ERROR

The accuracy of the census counts are affected jointly by sampling errors, described in the previous section, and nonsampling errors. Extensive efforts were made to compile a complete and accurate mail list for the census, to design an understandable report form with instructions, and to minimize processing errors through the use of quality control measures on specific operations. Nonsampling errors arise from incompleteness of the census mail list, duplication in the mail list, incorrect data reporting, errors in editing of reported data, and errors in imputation for missing data. These specific nonsampling errors are further discussed in this section. Evaluation studies will be conducted to measure the extent of certain nonsampling errors such as coverage error and classification error.

Census Coverage

The main objective of the census of agriculture is to obtain a complete and accurate enumeration of U.S. farms with accurate data on all aspects of the agricultural operation. However, the high cost and availability of resources for enumeration place restrictions on feasible data collection methodologies. The past six agriculture censuses have been conducted by mail enumeration with telephone contact for selected nonrespondents. The completeness of such an enumeration thus depends to a large extent on the coverage of farm operations by the census mail list.

The past five censuses of agriculture have included approximately 91 percent of farms in the United States and approximately 96 percent of agriculture production. Complete enumeration of agricultural operations satisfying the farm definition of \$1,000 or more in agricultural sales is complicated by fluctuations in agricultural operations qualifying for enumeration, the variety of arrangements under which farms are operated, the multiplicity of names used by an operation, the number of operations in which an operator participates, the accuracy of data reporting, and other factors. A new mail list is compiled for each census because no current single list of agricultural operations is comprehensive.

An evaluation of census coverage has been conducted for each census of agriculture since 1945. The evaluation provides estimates of the completeness of census farm count and major census data items. In addition, the evaluation helps to identify problems in the census enumeration and provide information that can form the basis for improvements. The results of the 1992 Coverage Evaluation program will be published in volume 2, Subject Series (Part 2): Coverage Evaluation.

The evaluation of coverage for the 1992 census was designed to measure four components of error in the census mail list and in farm classification. Mail list error includes two components of error, a measurement of farms not on the census mail list (undercount) and a measurement of farms enumerated more than once in the

census (overcount). Classification error includes two components of error, a measurement of farms classified as nonfarms in the census (undercount) and of nonfarms classified as farms in the census (overcount). Classification error arises from reporting and processing errors. Mail list undercount dominates all coverage errors. Net coverage error is defined as the difference between undercounted and overcounted farms. Measurements of these errors, as well as a description of the complete coverage program, will be available in the Coverage Evaluation report.

Mail List Coverage

A major problem with mail enumeration for the census of agriculture is the difficulty encountered in compiling a complete list. The percentage of farms included on the census mail list varies considerably by State. Several reasons have contributed to farm operators' names not being included on the census mail list—the operation may have been started after the mail list was developed, the operation may be so small as not to appear in any of the agriculture-related source lists used in compiling the census list, or the operation may have been falsely classified as a nonfarm prior to mailout. A large proportion of the farms not included on the mail list were small in both acres and sales of agricultural products.

The 1992 Census of Agriculture Coverage Evaluation used the area segment sample of the 1992 June Agricultural Survey (JAS) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with NASS to augment the JAS data collection. The survey data collected by NASS is protected under the confidentiality of title 13, U.S. Code. These JAS survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list coverage. Estimates of farms not on the census mail list are computed using a capture-recapture dual frame estimator which will be described in the Coverage Evaluation report.

Table G provides coverage evaluation estimates for one component of coverage error associated with the census of agriculture; that is, the error due to farms not on the census mail list. Also provided are estimates of selected characteristics of farms not on the mail list, estimates of characteristics of farms not on the mail list as a percentage of total farms in the United States, and the percent relative standard error associated with each estimate. The estimate of total farms in the United States is based on census farm count plus the estimated number of farms not on the census mail list. This estimate of total farms in the United States was not adjusted for components of error associated with classification and list duplication errors. Estimates of these errors will be provided in the Coverage Evaluation report at the regional and U.S. levels.

Respondent and Enumerator Error

Incorrect or incomplete responses to the mailed report form or to the questions posed by a telephone enumerator introduce error into the census data. Such incorrect information can lead, in some cases, to incorrect classification of farms. This type of reporting error is measured by the Classification Error Survey discussed later in this section. To reduce all types of reporting error, detailed instructions for completing the report form were provided to each addressee. Questions were phrased as clearly as possible based on tests of the report form and each respondent's answers were checked for completeness and consistency.

Item Nonresponse

As information flows from data collection to tabulation, various types of item nonresponses are identified on the report forms. Nonresponse to particular questions on the report form that logically should be present may create a type of nonsampling error in both complete count and sample count data. When information from reporting farms is used to edit or impute for item nonresponse, the data may be biased due to characteristics of the nonreporting respondents differing from those reporting the item. Any attempt to correct the data items may not completely reflect this difference either at the element level (individual farm operation) or on the average.

Processing Error

All phases of processing for each report form are sources for the introduction of nonsampling error. The processing of the report forms includes clerical screening for farm activity, computerized check-in of report forms and followup of nonrespondents, keying and transmittal of completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors are not detected and corrected.

Classification Error

An evaluation study of classification errors was conducted in the 1992 Census of Agriculture as part of the census coverage evaluation program. A sample of census mail list respondents was selected, and these addresses were reenumerated to determine whether they were a farm or nonfarm. A farm status determination was made based on the evaluation report form and compared with the census farm status which was based on the data reported on the report form. Differences in status were reconciled.

In past censuses, the proportion of farms undercounted due to classification errors was higher for farms with small values of sales. The classification error rate was higher for

(1) livestock farms than crop farms, (2) farms with a small number of acres than larger farms, or (3) tenant farms than full- or part-owner farms. Results from the 1992 Classification Error Survey will be published in the Coverage Evaluation report.

EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

The Census of Agriculture Complex Edit and Imputation System performs the following functions:

- Ensuring reasonable relationships between/among data items, values for various sizes of farms, and combinations of commodities.
- Ensuring necessary consistencies are present. There are more than 70 distinct consistency requirements.
- Ensuring geographic, legal, and physical constraints are met.

The system must perform these and similar functions for 900 data keycodes for sample records and 850 data keycodes for nonsample records.

For the 1992 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. The complex edit and imputation system provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. For some items, such as operator characteristics, data from the previous census were used when available. Values for other missing or unacceptable reported data items were calculated based on reported quantities and known price parameters.

When these and similar methods were not available and values had to be supplied, the imputation process used information reported for another farm operation in a geographically adjacent area with characteristics similar to those of the farm operation with incomplete data. For example, a farm operation that reported acres of corn harvested, but did not report quantity of corn harvested, was assigned the same bushels of corn per acre harvested as that of the last nearby farm with similar characteristics that reported acceptable yields during that particular execution of the computer edit. The imputation for missing items in each section of the report form was conducted separately; thus, assigned values for one operation could come from more than one respondent.

Prior to the imputation operation, a set of default values and relationships were assigned to the possible imputation variables. The relationships and values varied depending on the item being imputed. For example, different default

values were assigned for several standard industrial classification and total value of sales categories when imputing hired farm labor expenses. These values and item relationships for the possible imputation variables were stored in the computer in a series of matrices.

Each execution of the computer edit consisted of records from only one State. The computer records were sorted by reported State and county. For a given execution of the edit, the stored entries in the various matrices were retained in memory only until a succeeding record having acceptable characteristics for some sections of the report form was processed by the computer. Then the acceptable responses of the succeeding operation replaced those previously stored. When a record processed through the

edit had unreported or unacceptable data, the record was assigned the last acceptable ratio or response from an operation with a similar set of characteristics. Once each execution of the computer edit for a State was completed, the possible imputation variables were reset to the default values and relationships for subsequent executions.

After the initial computer edit, keyed reports not meeting the census farm definition were reviewed to ensure that the data were keyed correctly. Edit referrals were generated for about 25 percent of the reports included as farms; they were reviewed for keying accuracy to ensure that the computer edit actions were correct. If the results of the computer edit were not acceptable, corrections were made and the record was reedited.

Table A. Percent of U.S. Totals Contributed by Whole Farm Nonresponse Estimation: 1992

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms		Farms with sales of \$10,000 or more	
	Total (number)	Whole farm nonresponse estimation (percent)	Total (number)	Whole farm nonresponse estimation (percent)
Farms ----- number	1 925 300	14.3	1 018 783	12.7
Land in farms ----- acres	945 531 506	6.3	822 002 977	5.3
Market value of agricultural products sold ----- farms	1 925 300	13.4	1 018 783	12.7
\$1,000--	162 608 334	4.1	159 564 839	3.9
Crops, including nursery and greenhouse crops ----- farms	1 104 143	13.7	746 640	12.5
\$1,000--	75 228 256	4.7	74 061 078	4.5
Livestock, poultry, and their products ----- farms	1 236 788	14.0	680 200	12.4
\$1,000--	87 380 078	3.6	85 503 761	3.4
Poultry and poultry products ----- farms	64 925	9.7	42 227	6.6
\$1,000--	15 425 176	.5	15 412 176	.5
Selected farm production expenses ¹ :				
Livestock and poultry purchased ----- farms	629 575	5.7	400 347	4.9
\$1,000--	23 043 431	1.0	22 563 943	.9
Feed for livestock and poultry ----- farms	1 104 169	6.0	616 881	5.2
\$1,000--	24 084 507	1.3	23 528 260	1.1
Seeds, bulbs, plants, and trees ----- farms	1 005 583	5.6	731 047	5.1
\$1,000--	4 235 181	2.7	4 139 930	2.6
Commercial fertilizer ----- farms	1 273 421	5.9	813 128	5.2
\$1,000--	8 204 324	2.9	7 830 427	2.7
Hired farm labor ----- farms	693 011	5.1	507 019	4.4
\$1,000--	12 961 639	.9	12 819 385	.9
Petroleum products ----- farms	1 817 687	6.1	998 431	5.3
\$1,000--	6 120 452	3.1	5 684 067	2.8
Interest expense ----- farms	872 462	5.4	632 749	4.8
\$1,000--	8 111 337	2.8	7 541 533	2.5
Total cropland ----- farms	1 697 137	14.1	947 949	12.6
acres	435 365 878	8.4	389 929 328	7.5
Harvested cropland ----- farms	1 491 786	13.9	904 699	12.6
acres	295 936 976	7.4	281 105 099	6.9
Irrigated land ----- farms	279 357	12.2	187 363	10.4
acres	49 404 030	4.7	47 762 661	4.4
Estimated market value of land and buildings ¹ ----- \$1,000--	87 432 430 627	3.9	55 056 026 449	3.2
Estimated market value of all machinery and equipment ¹ ----- farms	1 919 882	6.1	1 016 565	5.3
\$1,000--	93 316 496	4.0	79 467 612	3.5
Livestock and poultry inventory:				
Cattle and calves ----- farms	1 074 349	14.0	574 502	12.5
number	96 135 825	7.3	85 171 004	6.3
Hogs and pigs ----- farms	191 347	13.7	138 156	12.4
number	57 563 118	5.6	56 488 250	5.4
Hens and pullets of laying age ----- farms	86 245	14.9	31 074	12.9
number	301 467 288	1.1	300 055 170	1.0
Livestock and poultry sales:				
Cattle and calves ----- farms	1 034 189	13.9	580 291	12.5
number	70 562 908	5.0	66 398 367	4.3
Hogs and pigs ----- farms	188 167	13.5	142 673	12.4
number	111 326 807	5.6	109 785 188	5.4
Broilers and other meat-type chickens ----- farms	23 949	5.2	20 829	3.7
number	5 428 589 485	.5	5 427 818 610	.5
Selected crops harvested:				
Corn for grain or seed ----- farms	503 935	12.8	422 313	12.2
acres	69 339 869	7.5	68 130 485	7.3
bushels	8 697 362 804	7.0	8 596 194 460	6.9
Wheat for grain ----- farms	292 465	12.2	252 883	11.4
acres	59 089 471	6.6	57 727 838	6.3
bushels	2 206 729 480	6.0	2 171 796 366	5.8
Sorghum for grain or seed ----- farms	70 958	13.5	62 995	12.9
acres	10 887 147	8.7	10 638 759	8.4
bushels	733 312 667	8.6	721 864 408	8.4
Soybeans for beans ----- farms	381 000	12.5	329 923	11.9
acres	56 351 304	7.2	55 184 595	7.0
bushels	2 053 163 265	6.9	2 021 639 881	6.8
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms	905 296	13.7	519 546	12.5
acres	56 596 466	10.2	46 815 808	9.1
Vegetables harvested for sale (see text) ----- farms	61 969	12.9	42 096	11.0
acres	3 782 358	3.3	3 712 991	3.0
Land in orchards ----- farms	116 207	14.3	51 917	11.7
acres	4 770 778	5.6	4 257 245	4.3

¹Data are based on a sample of farms.

Table B. Percent of U.S. and State Totals Contributed by Whole Farm Nonresponse Estimation: 1992

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms (number)	Land in farms (acres)	Estimated market value of land and buildings ¹ (\$1,000)	Market value of agricultural products sold (\$1,000)	Harvested cropland (acres)	Corn for grain or seed (acres)	Wheat for grain (acres)	Cattle and calves inventory (number)	Hogs and pigs inventory (number)	Hens and pullets of laying age inventory (number)
United States -	14.34	6.28	3.93	4.14	7.41	7.49	6.60	7.34	5.57	1.06
Alabama -----	15.2	9.4	3.9	2.5	6.8	6.1	3.0	11.3	5.6	.28
Alaska -----	-	-	(H)	-	-	-	-	-	-	-
Arizona -----	14.2	.3	1.7	1.1	2.4	2.8	.9	1.4	.4	.6
Arkansas -----	13.5	6.7	2.6	1.8	3.4	1.3	2.1	10.6	2.7	4.0
California -----	13.0	3.2	3.0	1.6	3.4	2.6	2.3	2.2	2.5	-
Colorado -----	14.4	3.8	4.9	2.1	6.0	5.6	4.6	3.6	3.5	.2
Connecticut -----	15.5	8.7	4.3	1.7	6.4	2.0	-	4.8	18.1	.1
Delaware -----	13.7	5.9	1.6	1.0	4.6	4.2	3.8	4.8	1.7	.2
Florida -----	16.1	4.5	2.5	1.8	4.0	10.3	6.1	5.7	14.5	.9
Georgia -----	17.8	10.1	4.8	2.7	6.7	7.4	4.7	11.8	5.0	1.5
Hawaii -----	19.4	1.3	6.4	2.1	3.1	-	-	2.7	6.3	.1
Idaho -----	12.5	3.4	3.2	2.6	4.5	8.0	3.1	5.0	6.9	.3
Illinois -----	14.3	8.9	4.4	7.0	8.4	8.0	10.5	9.2	5.8	.9
Indiana -----	11.5	6.5	4.1	4.3	5.6	5.2	5.8	7.5	3.9	.1
Iowa -----	13.7	9.5	4.5	7.1	8.8	8.5	8.2	8.5	6.9	.6
Kansas -----	15.9	10.2	4.5	4.1	10.0	6.7	9.7	6.3	8.3	2.5
Kentucky -----	16.1	11.9	4.6	7.8	8.4	4.9	3.1	12.2	4.7	.4
Louisiana -----	18.4	7.4	2.8	3.3	4.5	2.3	3.9	13.2	7.4	1.3
Maine -----	11.5	7.5	4.3	2.3	5.9	.1	.2	5.6	7.2	-
Maryland -----	15.4	9.8	4.0	4.3	8.0	6.8	7.9	9.4	5.9	2.5
Massachusetts -----	15.2	10.3	3.9	3.4	8.6	5.5	-	5.6	9.0	1.2
Michigan -----	14.8	10.8	4.8	6.1	9.7	8.4	11.0	9.2	5.7	.6
Minnesota -----	15.2	9.8	3.1	6.4	8.3	8.2	6.0	10.6	5.7	.4
Mississippi -----	17.9	9.3	3.6	2.8	5.0	5.0	3.0	13.4	6.5	3.3
Missouri -----	11.3	7.7	4.7	4.5	6.0	4.6	5.1	7.9	4.1	.5
Montana -----	10.9	2.3	2.8	2.5	3.4	1.7	3.2	2.8	2.4	.7
Nebraska -----	15.0	6.6	3.4	4.5	8.6	8.3	8.7	4.7	6.8	.2
Nevada -----	15.8	.5	2.0	1.5	2.6	-	3.2	1.9	11.7	37.6
New Hampshire -----	11.4	8.9	8.4	2.2	6.1	11.0	-	2.7	11.5	5.1
New Jersey -----	14.3	7.5	3.0	2.4	5.3	3.7	5.1	5.9	6.6	.6
New Mexico -----	14.3	1.0	2.3	1.2	3.2	1.5	2.1	2.1	3.8	.3
New York -----	12.6	8.0	3.6	3.3	6.2	3.4	4.1	5.3	8.8	.6
North Carolina -----	15.3	9.2	4.3	3.4	7.1	6.7	6.1	10.6	1.0	3.6
North Dakota -----	17.1	9.8	4.0	7.0	8.2	4.7	8.2	11.8	9.3	2.5
Ohio -----	12.6	8.9	4.8	6.0	8.0	7.3	8.1	9.0	6.6	.4
Oklahoma -----	15.7	8.4	3.3	3.6	6.9	2.3	5.6	7.9	5.7	1.2
Oregon -----	9.1	1.7	3.8	2.2	3.0	1.3	1.6	3.7	5.0	.3
Pennsylvania -----	11.3	7.7	3.5	2.6	6.1	4.7	5.2	5.5	2.6	.2
Rhode Island -----	19.0	12.1	11.8	3.9	10.2	21.5	-	10.9	6.0	.6
South Carolina -----	19.7	9.9	4.1	3.1	6.2	6.0	4.0	12.1	5.3	.1
South Dakota -----	18.2	7.6	3.8	8.0	10.2	11.2	8.0	9.5	9.5	.8
Tennessee -----	15.2	10.3	4.9	5.6	7.0	5.1	3.3	11.3	5.6	3.8
Texas -----	15.7	6.9	4.4	4.0	8.7	6.2	7.6	8.0	7.5	.6
Utah -----	9.8	1.6	3.9	2.2	4.3	4.3	2.5	3.4	3.7	.1
Vermont -----	11.9	7.2	3.6	2.9	5.3	.2	-	3.7	14.4	1.2
Virginia -----	11.2	7.3	4.8	2.6	5.4	2.9	3.2	7.4	1.2	.7
Washington -----	10.8	2.0	3.7	1.8	2.6	2.6	1.4	3.8	7.8	.1
West Virginia -----	11.2	8.7	6.5	3.7	8.0	4.1	3.6	8.0	4.7	8.8
Wisconsin -----	15.1	12.2	4.8	9.7	11.2	9.6	8.0	12.0	7.9	1.3
Wyoming -----	10.6	.9	2.0	1.8	3.2	2.6	1.8	2.3	4.1	30.8

¹Data are based on a sample of farms.

Table C. Reliability Estimates of U.S. Totals for All Farms: 1992

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
F FARMS AND LAND IN FARMS					
Farms ----- number	1 925 300	.21	F FARM PRODUCTION EXPENSES¹		
Land in farms ----- acres	945 531 506	.13	Total farm production expenses ----- farms	1 925 269	.21
Average size of farm ----- acres	491	.25	\$1,000-----	130 779 261	.09
			Average per farm ----- dollars	67 928	.23
M MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD					
Total sales (see text) ----- farms	1 925 300	.21	Livestock and poultry purchased ----- farms	629 575	.30
\$1,000-----	162 608 334	.09	\$1,000-----	23 043 431	.10
Average per farm ----- dollars	84 459	.23	Feed for livestock and poultry ----- farms	1 104 169	.26
			\$1,000-----	24 084 507	.09
Farms by value of sales:			Commercially mixed formula feeds ----- farms	470 191	.33
Less than \$1,000 (see text) ----- farms	212 580	.26	\$1,000-----	13 055 278	.10
\$1,000-----	57 709	.29			
\$1,000 to \$2,499 ----- farms	210 187	.26	Seeds, bulbs, plants, and trees ----- farms	1 005 583	.26
\$1,000-----	353 403	.27	\$1,000-----	4 235 181	.18
\$2,500 to \$4,999 ----- farms	231 867	.28	Commercial fertilizer ----- farms	1 273 421	.24
\$1,000-----	835 832	.28	\$1,000-----	8 204 324	.18
\$5,000 to \$9,999 ----- farms	251 883	.27	Agricultural chemicals ----- farms	1 092 602	.25
\$1,000-----	1 796 553	.27	\$1,000-----	6 133 705	.17
\$10,000 to \$19,999 ----- farms	232 067	.30	Petroleum products ----- farms	1 817 687	.22
\$1,000-----	3 291 314	.30	\$1,000-----	6 120 452	.16
\$20,000 to \$24,999 ----- farms	69 737	.34			
\$1,000-----	1 549 347	.34	Electricity ----- farms	1 296 400	.24
\$25,000 to \$39,999 ----- farms	134 582	.34	\$1,000-----	2 568 877	.15
\$1,000-----	4 259 990	.34	Hired farm labor ----- farms	693 011	.27
\$40,000 to \$49,999 ----- farms	60 772	.36	\$1,000-----	12 961 639	.09
\$1,000-----	2 706 693	.36	Contract labor ----- farms	239 724	.45
\$50,000 to \$99,999 ----- farms	187 760	.33	\$1,000-----	2 323 904	.27
\$1,000-----	13 516 761	.33	Repair and maintenance ----- farms	1 603 246	.22
\$100,000 to \$249,999 ----- farms	208 405	.21	\$1,000-----	7 731 748	.16
\$1,000-----	32 710 764	.19			
\$250,000 to \$499,999 ----- farms	78 546	—	Cash rent ----- farms	525 785	.32
\$1,000-----	26 914 023	—	\$1,000-----	5 960 068	.24
\$500,000 or more ----- farms	46 914	—	Property taxes ----- farms	1 761 730	.22
\$1,000-----	74 615 946	—	\$1,000-----	3 507 126	.20
Sales by commodity or commodity group:			All other farm production expenses ----- farms	1 741 304	.22
Crops, including nursery and greenhouse crops ----- farms	1 104 143	.21	\$1,000-----	13 233 487	.12
\$1,000-----	75 228 256	.10			
Grains ----- farms	673 586	.27	N NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)¹		
\$1,000-----	35 972 166	.19			
Corn for grain ----- farms	396 708	.33			
\$1,000-----	14 585 789	.24			
Wheat ----- farms	288 071	.30			
\$1,000-----	6 634 871	.20			
Soybeans ----- farms	379 076	.34			
\$1,000-----	10 440 529	.24			
Sorghum for grain ----- farms	62 578	.57			
\$1,000-----	1 229 605	.39			
Barley ----- farms	42 935	.44			
\$1,000-----	710 294	.22			
Oats ----- farms	59 905	.37			
\$1,000-----	155 859	.37			
Other grains ----- farms	51 046	.29			
\$1,000-----	2 215 218	.16			
Cotton and cottonseed ----- farms	34 769	.40			
\$1,000-----	4 579 868	.11			
Tobacco ----- farms	124 081	.55			
\$1,000-----	2 679 170	.36			
Hay, silage, and field seeds ----- farms	333 058	.21			
\$1,000-----	3 172 780	.14			
Vegetables, sweet corn, and melons ----- farms	61 924	.20			
\$1,000-----	6 404 618	.04			
Fruits, nuts, and berries ----- farms	89 417	.38			
\$1,000-----	9 200 069	.15			
Nursery and greenhouse crops ----- farms	47 425	.21	G GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
\$1,000-----	7 634 924	.04			
Other crops ----- farms	42 175	.28			
\$1,000-----	5 584 661	.06			
Livestock, poultry, and their products ----- farms	1 236 788	.23	Government payments ----- farms	569 216	.27
\$1,000-----	87 380 078	.08	\$1,000-----	5 209 524	.18
Poultry and poultry products ----- farms	64 925	.16	Other farm-related income ¹ ----- farms	479 695	.35
\$1,000-----	15 425 176	.02	\$1,000-----	2 769 028	.51
Dairy products ----- farms	132 092	.37	Customwork and other agricultural services ----- farms	160 236	.55
\$1,000-----	17 765 439	.18	\$1,000-----	1 151 525	.81
Cattle and calves ----- farms	1 034 189	.24	Gross cash rent or share payments ----- farms	174 662	.56
\$1,000-----	41 676 242	.08	\$1,000-----	1 003 516	.88
Hogs and pigs ----- farms	188 167	.30	Forest products and Christmas trees ----- farms	47 526	.99
\$1,000-----	10 047 423	.19	\$1,000-----	300 587	1.37
Sheep, lambs, and wool ----- farms	79 008	.24	Other farm-related income sources ----- farms	190 507	.51
\$1,000-----	677 904	.12	\$1,000-----	313 401	.92
Other livestock and livestock products (see text) ----- farms	119 030	.23	C COMMODITY CREDIT CORPORATION LOANS		
\$1,000-----	1 787 894	.12			
Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms	86 432	.21	Total ----- farms	111 095	.29
\$1,000-----	404 056	.17	\$1,000-----	3 817 385	.16

See footnotes at end of table.

1992 CENSUS OF AGRICULTURE

APPENDIX C C-9

Table C. Reliability Estimates of U.S. Totals for All Farms: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)			
LAND IN FARMS ACCORDING TO USE								
Total cropland	farms ..	1 697 137	All operators	farms ..	1 925 300			
	acres ..	435 365 878		acres ..	945 531 506			
Harvested cropland	farms ..	1 491 786	Full owners	farms ..	1 111 738			
	acres ..	295 936 976		acres ..	296 242 076			
Farms by acres harvested:			Part owners	farms ..	596 657			
1 to 9 acres	farms ..	237 828		acres ..	526 612 012			
	acres ..	967 535	Tenants	farms ..	216 905			
10 to 19 acres	farms ..	171 794		acres ..	122 677 418			
	acres ..	2 298 389						
20 to 29 acres	farms ..	126 841	OWNED AND RENTED LAND					
	acres ..	2 902 932	Land owned	farms ..	1 717 194			
30 to 49 acres	farms ..	166 215		acres ..	595 901 670			
	acres ..	6 173 579	Owned land in farms	farms ..	1 708 395			
50 to 99 acres	farms ..	208 505		acres ..	540 695 158			
	acres ..	14 440 032	Land rented or leased from others	farms ..	818 776			
100 to 199 acres	farms ..	196 753		acres ..	412 184 636			
	acres ..	27 415 942	Rented or leased land in farms	landlords ..	2 092 174			
200 to 499 acres	farms ..	216 110		farms ..	813 564			
	acres ..	68 140 448	Rented or leased land to others	farms ..	404 836 348			
500 to 999 acres	farms ..	110 003		acres ..				
	acres ..	75 959 139						
1,000 acres or more	farms ..	57 737						
	acres ..	97 638 980						
Cropland:								
Pasture or grazing only	farms ..	782 903						
	acres ..	66 806 427						
Other cropland	farms ..	632 708						
	acres ..	72 622 475						
Total woodland	farms ..	759 282	OPERATOR CHARACTERISTICS					
	acres ..	73 962 004	Operators by place of residence:					
Pastureland and rangeland other than cropland and			On farm operated		1 378 701			
woodland pastured					408 560			
			Not on farm operated		.28			
			Not reported		138 039			
Land in house lots, ponds, roads, wasteland, etc.	farms ..	538 442	OPERATORS BY PRINCIPAL OCCUPATION					
	acres ..	410 834 565	Farmers		1 053 150			
Irrigated land	farms ..	1 119 345			872 150			
	acres ..	25 369 059	Other					
Acres irrigated:			OPERATORS BY DAYS WORKED OFF FARM					
1 to 9 acres	farms ..	279 357	Any		992 773			
	acres ..	49 404 030	200 days or more		665 570			
10 to 49 acres	farms ..	84 998	OPERATORS BY SEX					
	acres ..	287 503	Male		1 780 144			
50 to 99 acres	farms ..	68 568			900 623 734			
	acres ..	1 624 314	Female		145 156			
100 to 199 acres	farms ..	29 716			44 907 772			
	acres ..	2 071 829	AVERAGE AGE OF OPERATOR					
200 to 499 acres	farms ..	32 126	years ..		53.3			
	acres ..	4 452 976						
500 to 999 acres	farms ..	37 529	FARMS BY TYPE OF ORGANIZATION					
	acres ..	11 783 089	Individual or family (sole proprietorship)		1 653 491			
1,000 acres or more	farms ..	17 641			604 279 515			
	acres ..	12 010 686	Partnership		186 806			
Harvested cropland irrigated	farms ..	8 779			152 819 349			
	acres ..	17 173 633	Corporation:					
Pasture and other land irrigated	farms ..	.02	Family held		64 528			
	acres ..	254 734			110 836 974			
Land under federal acreage reduction programs:		.24	More than 10 stockholders		.05			
Diverted under annual commodity programs	farms ..	45 261 122			1 773			
	acres ..	52 916	10 or less stockholders		.44			
Conservation Reserve or Wetlands Reserve	farms ..	4 142 908			62 755			
Programs	acres ..		Other than family held		.18			
VALUE OF LAND AND BUILDINGS¹								
Estimated market value of land and buildings	farms ..	1 925 280	More than 10 stockholders		.33			
\$1,000 ..		.21			.09			
Average per farm	dollars ..	687 432 431	10 or less stockholders		.57			
Average per acre	dollars ..	.20			.36			
		357 056	Other—cooperative, estate or trust, institutional, etc.		.34			
		727	acres ..		.03			
VALUE OF MACHINERY AND EQUIPMENT¹								
Estimated market value of all machinery and	farms ..	1 919 882	HIRE FARM LABOR					
equipment	\$1,000 ..	.21	Hired workers by days worked:					
Average per farm	dollars ..	93 316 496	150 days or more		.32			
		.19			.16			
		48 605	Less than 150 days		.29			
		.29			.30			
AGRICULTURAL CHEMICALS¹								
Commercial fertilizer	farms ..	1 267 992	INJURIES AND DEATHS					
	acres on which used ..	226 706 924	Farm-related injuries:					
		.24	Operator and family members		.29			
		.20			.29			
			Hired workers		.14			
					.07			
			Farm-related deaths:					
			Operator and family members		.29			
					.29			
			Hired workers		.14			
					.07			
See footnotes at end of table.								

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1992 CENSUS OF AGRICULTURE

Table C. Reliability Estimates of U.S. Totals for All Farms: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)	
F FARMS BY SIZE						
1 to 9 acres	farms ..	166 496	Hogs and pigs sold	farms ..	188 167	
	acres..	661 402	number ..	111 326 807	.30	
10 to 49 acres	farms ..	387 711	\$1,000 ..	10 047 423	.19	
	acres..	10 339 678			.19	
50 to 69 acres	farms ..	119 761	Sheep and lambs of all ages inventory	farms ..	80 839	
	acres..	6 957 950	number ..	10 770 391	.23	
70 to 99 acres	farms ..	163 594	Sheep and lambs sold	farms ..	75 581	
	acres..	13 468 291	number ..	10 519 343	.24	
100 to 139 acres	farms ..	161 700	Horses and ponies inventory	farms ..	338 346	
	acres..	18 802 911	number ..	2 049 522	.21	
140 to 179 acres	farms ..	139 091	Horses and ponies sold	farms ..	78 226	
	acres..	21 912 529	number ..	307 209	.23	
180 to 219 acres	farms ..	94 537			.29	
	acres..	18 689 035				
220 to 259 acres	farms ..	77 653	POULTRY			
	acres..	18 480 592	Chickens 3 months old or older inventory	farms ..	88 235	
260 to 499 acres	farms ..	255 458	number ..	351 310 317	.23	
	acres..	91 711 162	Hens and pullets of laying age	farms ..	86 245	
500 to 999 acres	farms ..	186 387	number ..	301 467 288	.06	
	acres..	129 264 959	Broilers and other meat-type chickens sold	farms ..	23 949	
1,000 to 1,999 acres	farms ..	101 923	number ..	5 428 589 485	.05	
	acres..	138 984 485			.29	
2,000 acres or more	farms ..	70 989				
	acres..	476 258 512				
F FARMS BY STANDARD INDUSTRIAL CLASSIFICATION						
Cash grains (011)	farms ..	405 008	Corn for grain or seed	farms ..	503 935	
	acres..	244 880 597	acres ..	69 339 869	.31	
Field crops, except cash grains (013)	farms ..	250 338	bushels ..	8 697 362 804	.24	
	acres..	73 460 890			.25	
Vegetables and melons (016)	farms ..	29 605	Corn for silage or green chop	farms ..	143 727	
	acres..	7 570 785	acres ..	6 069 124	.33	
Fruits and tree nuts (017)	farms ..	89 514	tons, green ..	84 905 107	.22	
	acres..	9 685 718	farms ..	70 958	.17	
Horticultural specialties (018)	farms ..	39 712	acres ..	10 887 147	.55	
	acres..	2 358 160	bushels ..	733 312 667	.39	
General farms, primarily crop (019)	farms ..	48 847			.41	
	acres..	18 921 045	Wheat for grain	farms ..	292 464	
Livestock, except dairy, poultry, and animal specialties (021)	farms ..	808 283	acres ..	59 089 470	.30	
	acres..	509 267 866	bushels ..	2 206 729 476	.24	
Dairy farms (024)	farms ..	113 412			.21	
	acres..	38 133 176	Barley for grain	farms ..	58 430	
Poultry and eggs (025)	farms ..	35 066	acres ..	6 818 065	.39	
	acres..	4 822 285	bushels ..	397 245 453	.27	
Animal specialties (027)	farms ..	80 504			.25	
	acres..	9 493 543	Oats for grain	farms ..	140 755	
General farms, primarily livestock and animal specialties (029)	farms ..	25 011	acres ..	4 187 873	.35	
	acres..	26 937 441	bushels ..	249 874 036	.37	
L LIVESTOCK						
Cattle and calves inventory	farms ..	1 074 349	Rice	farms ..	11 212	
	number ..	96 135 825	acres ..	3 117 718	.40	
Beef cows	farms ..	803 241	cwt ..	175 941 723	.22	
	number ..	32 545 976			.24	
Milk cows	farms ..	155 339	Cotton	farms ..	34 812	
	number ..	9 491 818	acres ..	10 961 720	.40	
Cattle and calves sold	farms ..	1 034 189	bushels ..	15 370 310	.20	
	number ..	70 562 908			.12	
	\$1,000 ..	41 676 242	Tobacco	farms ..	124 270	
Hogs and pigs inventory	farms ..	191 347	acres ..	831 231	.55	
	number ..	57 563 118	pounds ..	1 697 831 562	.39	
					.37	
			Soybeans for beans	farms ..	381 000	
			acres ..	56 351 304	.34	
			bushels ..	2 053 163 265	.23	
					.24	
			Dry edible beans, excluding dry limas	farms ..	13 201	
			acres ..	1 548 766	.36	
			cwt ..	23 099 577	.24	
					.23	
			Irish potatoes	farms ..	14 502	
			acres ..	1 351 084	.28	
			cwt ..	410 508 921	.07	
					.06	
			Sugar beets for sugar	farms ..	8 810	
			acres ..	1 441 815	.32	
			tons ..	29 124 868	.14	
					.12	
			Peanuts for nuts	farms ..	16 194	
			acres ..	1 594 611	.59	
			pounds ..	4 085 296 395	.22	
					.19	
			Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms ..	905 296	
			acres ..	56 596 466	.22	
			tons, dry ..	126 981 302	.20	
					.18	
			Alfalfa hay	farms ..	434 601	
			acres ..	22 792 626	.25	
			tons, dry ..	67 063 849	.22	
					.19	
			Vegetables harvested for sale (see text)	farms ..	61 969	
			acres ..	3 782 358	.20	
					.09	
			Land in orchards	farms ..	116 207	
			acres ..	4 770 778	.36	
					.22	

¹Data are based on a sample of farms.

²Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table D. Reliability Estimates of U.S. Totals for Farms With Sales of \$10,000 or More:
1992**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)			
F FARMS AND LAND IN FARMS								
Farms ----- number	1 018 783	.24	Total farm production expenses ----- farms --	1 017 203	.25			
Land in farms ----- acres	822 002 977	.13	\$1,000--	125 641 401	.09			
Average size of farm ----- acres	807	.27	Average per farm ----- dollars --	123 517	.26			
M MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales (see text) ----- farms --	1 018 783	.24	Livestock and poultry purchased ----- farms --	400 347	.62			
\$1,000--	159 564 839	.08	\$1,000--	22 563 943	.10			
Average per farm ----- dollars --	156 623	.25	Average per farm ----- dollars --	616 881	.40			
Farms by value of sales:			Commercial mixed formula feeds ----- farms --	23 528 260	.09			
\$10,000 to \$19,999 ----- farms --	232 067	.30	\$1,000--	310 820	.80			
\$1,000--	3 291 314	.30	Average per farm ----- dollars --	12 929 066	.10			
\$20,000 to \$24,999 ----- farms --	69 737	.34	Seeds, bulbs, plants, and trees ----- farms --	731 047	.34			
\$1,000--	1 549 347	.34	\$1,000--	4 139 930	.18			
\$25,000 to \$39,999 ----- farms --	134 582	.34	Commercial fertilizer ----- farms --	813 128	.31			
\$1,000--	4 259 990	.34	\$1,000--	7 830 427	.18			
\$40,000 to \$49,999 ----- farms --	60 772	.36	Agricultural chemicals ----- farms --	749 615	.33			
\$1,000--	2 706 693	.36	\$1,000--	5 977 831	.17			
\$50,000 to \$99,999 ----- farms --	187 760	.33	Petroleum products ----- farms --	998 431	.25			
\$1,000--	13 516 761	.33	\$1,000--	5 684 067	.16			
\$100,000 to \$249,999 ----- farms --	208 405	.21	Electricity ----- farms --	842 709	.30			
\$1,000--	32 710 764	.19	\$1,000--	2 424 769	.16			
\$250,000 to \$499,999 ----- farms --	78 546	—	Hired farm labor ----- farms --	507 019	.49			
\$1,000--	26 914 023	—	\$1,000--	12 819 385	.08			
\$500,000 or more ----- farms --	46 914	—	Contract labor ----- farms --	167 029	1.49			
\$1,000--	74 615 946	—	\$1,000--	2 261 783	.27			
Sales by commodity or commodity group:			Repair and maintenance ----- farms --	940 391	.27			
Crops, including nursery and greenhouse crops ----- farms --	746 640	.25	\$1,000--	7 069 545	.16			
\$1,000--	74 061 078	.10	Customwork, machine hire, and rental of machinery and equipment ----- farms --	473 007	.53			
Grains ----- farms --	548 881	.29	\$1,000--	2 437 780	.30			
\$1,000--	35 544 640	.19	Interest expense ----- farms --	632 749	.39			
Corn for grain ----- farms --	339 347	.35	\$1,000--	7 541 533	.19			
\$1,000--	14 436 312	.24	Secured by real estate ----- farms --	428 335	.58			
Wheat ----- farms --	250 652	.31	\$1,000--	4 655 847	.24			
\$1,000--	6 542 985	.20	Not secured by real estate ----- farms --	406 529	.61			
Soybeans ----- farms --	329 035	.36	\$1,000--	2 885 686	.22			
\$1,000--	10 296 191	.24	Cash rent ----- farms --	422 407	.59			
Sorghum for grain ----- farms --	55 754	.58	\$1,000--	5 861 834	.25			
\$1,000--	1 212 241	.38	Property taxes ----- farms --	919 417	.27			
Barley ----- farms --	39 396	.45	\$1,000--	2 781 634	.22			
\$1,000--	703 920	.22	All other farm production expenses ----- farms --	1 017 072	.25			
Oats ----- farms --	49 461	.40	\$1,000--	12 718 679	.12			
\$1,000--	145 225	.37						
Other grains ----- farms --	47 750	.29	NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)¹					
\$1,000--	2 207 766	.16	All farms ----- number --	1 017 204	.25			
Cotton and cottonseed ----- farms --	32 037	.39	\$1,000--	32 492 394	.17			
\$1,000--	4 569 177	.11	Average per farm ----- dollars --	31 943	.30			
Tobacco ----- farms --	69 814	.57						
\$1,000--	2 475 118	.36	Farms with net gains ² ----- number --	779 320	.32			
Hay, silage, and field seeds ----- farms --	185 976	.25	\$1,000--	35 937 683	.15			
\$1,000--	2 861 747	.14	Average net gain ----- dollars --	46 114	.35			
Vegetables, sweet corn, and melons ----- farms --	42 077	.21						
\$1,000--	6 354 721	.04	Farms with net losses ----- number --	237 884	1.05			
Fruits, nuts, and berries ----- farms --	51 838	.45	\$1,000--	3 445 289	(L)			
\$1,000--	9 104 017	.15	Average net loss ----- dollars --	14 483	1.13			
Nursery and greenhouse crops ----- farms --	31 484	.21						
\$1,000--	7 579 789	.04	GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME					
Other crops ----- farms --	36 479	.28	Government payments ----- farms --	454 320	.28			
\$1,000--	5 571 868	.06	\$1,000--	4 813 914	.17			
Livestock, poultry, and their products ----- farms --	680 200	.25	Other farm-related income 1 ----- farms --	309 827	.81			
\$1,000--	85 503 761	.08	\$1,000--	2 253 223	.57			
Poultry and poultry products ----- farms --	42 227	.15	Customwork and other agricultural services ----- farms --	117 464	2.12			
\$1,000--	15 412 176	.02	\$1,000--	1 053 376	.87			
Dairy products ----- farms --	128 523	.37	Gross cash rent or share payments ----- farms --	86 403	2.89			
\$1,000--	17 753 050	.18	\$1,000--	734 405	1.04			
Cattle and calves ----- farms --	580 291	.26	Forest products and Christmas trees ----- farms --	22 040	11.32			
\$1,000--	40 120 281	.08	\$1,000--	190 235	1.69			
Hogs and pigs ----- farms --	142 673	.35	Other farm-related income sources ----- farms --	156 410	1.60			
\$1,000--	9 944 324	.19	\$1,000--	275 207	.79			
Sheep, lambs, and wool ----- farms --	38 219	.30						
\$1,000--	624 669	.11						
Other livestock and livestock products (see text) ----- farms --	45 286	.26	COMMODITY CREDIT CORPORATION LOANS					
\$1,000--	1 649 262	.12	Total ----- farms --	106 044	.29			
Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms --	35 762	.26	\$1,000--	3 807 892	.16			
\$1,000--	339 482	.18						

See footnotes at end of table.

C-12 APPENDIX C

1992 CENSUS OF AGRICULTURE

**Table D. Reliability Estimates of U.S. Totals for Farms With Sales of \$10,000 or More:
1992—Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)		
LAND IN FARMS ACCORDING TO USE							
Total cropland	farms..	947 949	.24	Individual or family (sole proprietorship)	farms..	820 180	.25
	acres..	389 929	.18		acres..	511 598	.17
Harvested cropland	farms..	904 699	.24	Partnership	farms..	130 829	.24
	acres..	281 105	.17		acres..	142 751	.09
Cropland:				Corporation:			
Pasture or grazing only	farms..	388 333	.26	Family held	farms..	55 363	.16
	acres..	46 914	.29		acres..	107 333	.05
Total woodland	farms..	372 138	.26	More than 10 stockholders	farms..	1 531	.40
	acres..	50 563	.15	10 or less stockholders	farms..	53 832	.16
Pastureland and rangeland other than cropland and				Other than family held	farms..	6 069	.31
woodland pastured	farms..	297 058	.27		acres..	11 318	.08
	acres..	361 848	.08	More than 10 stockholders	farms..	912	.51
Land in house lots, ponds, roads, wasteland, etc.	farms..	602 506	.24	10 or less stockholders	farms..	5 157	.35
	acres..	19 662	.09				
Irrigated land	farms..	187 363	.25				
	acres..	47 762	.14				
Harvested cropland irrigated	farms..	180 308	.25				
	acres..	44 300	.14				
Pasture and other land irrigated	farms..	25 311	.29				
	acres..	3 461	.18				
Land under federal acreage reduction programs:							
Diverted under annual commodity programs	farms..	316 444	.30	Hired farm labor			
	acres..	6 727	.17	Hired workers by days worked:			
Conservation Reserve or Wetlands Reserve				150 days or more	farms..	247 938	1.01
Programs	farms..	112 477	.30		workers..	863 069	.16
	acres..	17 059	.27	Less than 150 days	farms..	433 499	.58
					workers..	2 475 473	.32
VALUE OF LAND AND BUILDINGS¹							
Estimated market value of land and buildings	farms..	1 017 204	.25	INJURIES AND DEATHS			
\$1,000..		555 056	.22	Farm-related injuries:			
Average per farm	dollars..	545 668	.22	Operator and family members	farms..	13 160	.32
Average per acre	dollars..	676	.27		number..	15 295	.31
VALUE OF MACHINERY AND EQUIPMENT¹							
Estimated market value of all machinery and				Hired workers	farms..	16 757	.13
equipment	farms..	1 016 565	.25		number..	42 863	.06
\$1,000..		79 467	.20	FARM BY SIZE			
Average per farm	dollars..	78 173	.37	1 to 9 acres		43 628	.28
				10 to 49 acres		81 973	.28
AGRICULTURAL CHEMICALS¹				50 to 69 acres		33 248	.30
Commercial fertilizer	farms..	811 506	.31	70 to 99 acres		59 318	.30
acres on which used ..		215 122	.20	100 to 139 acres		73 517	.31
		073		140 to 179 acres		78 234	.33
TENURE OF OPERATOR				180 to 219 acres		59 576	.34
All operators	farms..	1 018 783	.24	220 to 259 acres		54 637	.35
	acres..	822 002	.13	260 to 499 acres		203 576	.32
Full owners	farms..	422 431	.25	500 to 999 acres		167 575	.29
	acres..	219 714	.14	1,000 to 1,999 acres		95 878	.26
Part owners	farms..	447 854	.22	2,000 acres or more		67 623	.09
	acres..	492 749	.12	FARMS BY STANDARD INDUSTRIAL CLASSIFICATION			
Tenants	farms..	148 498	.34	Farms by size			
	acres..	109 538	.17	Cash grains (011)		313 083	.35
OWNED AND RENTED LAND				Field crops, except cash grains (013)		108 338	.32
Land owned	farms..	876 502	.23	Vegetables and melons (016)		17 040	.29
	acres..	486 391	.13	Fruits and tree nuts (017)		40 618	.55
Owned land in farms	farms..	870 285	.23	Horticultural specialties (018)		26 212	.22
	acres..	448 874	.13	General farms, primarily crop (019)		20 061	.30
Land rented or leased from others	farms..	599 234	.24	Livestock, except dairy, poultry, and animal			
	acres..	379 320	.13	specialties (021)		333 079	.29
Rented or leased land in farms	farms..	1 749 127	.20	Dairy farms (024)		111 056	.40
	landlords	596 354	.24	Poultry and eggs (025)		29 391	.11
Land rented or leased to others	farms..	121 666	.26	Animal specialties (027)		12 773	.36
	acres..	43 709	.26	General farms, primarily livestock and animal			
		219		specialties (029)		7 132	.43
OPERATOR CHARACTERISTICS				LIVESTOCK			
Operators by place of residence:				Cattle and calves inventory	farms..	574 502	.26
On farm operated		736 487	.24		number..	85 171	.04
Not on farm operated		214 939	.30	Beef cows	farms..	386 921	.29
Not reported		67 357	.22		number..	26 762	.08
Operators by principal occupation:				Milk cows	farms..	135 905	.36
Farming		754 180	.23		number..	9 444	.20
Other		264 603	.29	Cattle and calves sold	farms..	580 291	.26
Operators by days worked off farm:					number..	66 398	.10
Any		407 163	.28	Hogs and pigs inventory	farms..	40 120	.28
200 days or more		226 455	.29		number..	138 156	.34
Operators by sex:				Hogs and pigs sold	farms..	56 488	.19
Male		968 491	.24		number..	142 673	.35
Female		50 292	.27	Sheep and lambs of all ages inventory	farms..	109 785	.19
Average age of operator	years ..	51.9	.33		number..	9 944	.19
				Sheep and lambs sold	farms..	37 984	.30
					number..	9 416	.13
				Horses and ponies inventory	farms..	37 163	.31
					number..	9 517	.12
				Horses and ponies sold	farms..	28 989	.27
					number..	192 614	.40

See footnotes at end of table.

**Table D. Reliability Estimates of U.S. Totals for Farms With Sales of \$10,000 or More:
1992—Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
POULTRY					
Chickens 3 months old or older inventory	farms ..	32 223	Barley for grain	farms ..	53 350
	number..	349 456 300		acres..	6 724 566
Hens and pullets of laying age	farms ..	31 074		bushels..	393 253 608
	number..	300 055 170	Oats for grain	farms ..	118 010
				acres..	3 899 892
Broilers and other meat-type chickens sold	farms ..	20 829	Rice	bushels..	236 166 116
	number..	5 427 818 610		acres..	10 761
				cwt..	175 555 954
CROPS HARVESTED			Cotton	farms ..	32 049
Corn for grain or seed	farms ..	422 313		acres..	10 901 773
	acres..	68 130 485		pales..	15 326 372
Corn for silage or green chop	bushels..	8 596 194 460	Tobacco	farms ..	69 851
	farms ..	131 662		acres..	7 431 232
	acres..	5 916 850	Soybeans for beans	pounds..	1 558 255 523
Sorghum for grain or seed	tons, green..	83 234 512		farms ..	329 923
	farms ..	62 995		acres..	55 184 595
	acres..	10 638 759	Dry edible beans, excluding dry limas	bushels..	2 021 639 881
Wheat for grain	bushels..	721 864 408		acres..	12 353
	farms ..	252 882		cwt..	1 536 362
	acres..	57 727 837	Irish potatoes	farms ..	22 978 384
	bushels..	2 171 796 362		acres..	9 697
				cwt..	1 345 528
				farms ..	409 860 908
				acres..	8 708
				tons..	1 440 986
			Peanuts for nuts	farms ..	29 110 105
				acres..	14 393
				pounds..	1 580 307
				farms ..	4 064 180 272
				acres..	.19

¹Data are based on a sample of farms.

²Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

Table E. Reliability Estimates of Percent Change in U.S. Totals: 1987 to 1992

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms			Farms with sales of \$10,000 or more	
	Percent change from 1987 to 1992	Standard error of estimate	Percent change from 1987 to 1992	Standard error of estimate	
Farms-----	number--	-7.8	.26	-3.8	.31
Land in farms -----	acres--	-2.0	.17	-.8	.17
Average size of farm -----	acres--	6.3	.35	3.2	.39
Estimated market value of land and buildings ¹ :	dollars--				
Average per farm -----	dollars--	23.4	.49	19.8	.52
Average per acre -----	dollars--	15.9	.44	16.0	.47
Estimated market value of all machinery and equipment ¹ :	dollars--				
Average per farm -----	dollars--	17.9	.46	15.4	.54
Farms by size:					
1 to 9 acres -----	farms--	-9.1	.31	-2.3	.48
10 to 49 acres -----	acres--	-6.0	.31	11.6	.65
50 to 179 acres -----	farms--	-9.4	.29	-.1	.42
180 to 499 acres -----	acres--	-10.6	.35	-10.8	.38
500 to 999 acres -----	farms--	-6.8	.35	-7.4	.35
1,000 to 1,999 acres -----	acres--	-.2	.35	-.5	.34
2,000 acres or more -----	farms--	6.3	.13	6.4	.13
Total cropland -----	farms--	-8.2	.25	-4.3	.32
acres--		-1.8	.24	-.8	.24
Harvested cropland -----	farms--	-9.2	.25	-4.9	.31
acres--		4.9	.24	6.6	.25
Irrigated land -----	farms--	-4.2	.28	-4.4	.30
acres--		6.5	.19	7.3	.20
Market value of agricultural products sold -----	\$1,000--	19.5	.15	20.3	.15
Average per farm -----	dollars--	29.6	.39	25.1	.45
Crops, including nursery and greenhouse crops -----	\$1,000--	27.7	.19	28.6	.19
Livestock, poultry, and their products -----	\$1,000--	13.3	.14	13.9	.14
Farms by value of sales:					
Less than \$2,500 -----		-13.8	.33	(X)	(X)
\$2,500 to \$4,999 -----		-11.8	.32	(X)	(X)
\$5,000 to \$9,999 -----		-8.4	.32	(X)	(X)
\$10,000 to \$24,999 -----		-7.5	.35	-7.5	.35
\$25,000 to \$49,999 -----		-11.1	.40	-11.1	.40
\$50,000 to \$99,999 -----		-13.9	.39	-13.9	.39
\$100,000 to \$249,999 -----		2.9	.27	2.9	.27
\$250,000 to \$499,999 -----		28.5	—	28.5	—
\$500,000 or more -----		46.5	.01	46.5	.01
Total farm production expenses ¹ -----	\$1,000--	20.9	.16	22.0	.16
Average per farm -----	dollars--	31.1	.41	26.9	.45
Net cash return from agricultural sales for the farm unit (see text) ¹ -----	farms--	-7.8	.26	-3.9	.31
\$1,000--		15.1	.30	15.2	.28
Average per farm -----	dollars--	24.8	.48	19.9	.49
Operators by principal occupation:					
Farming -----		-7.5	.26	-7.0	.29
Other -----		-8.2	.29	6.6	.52
Operators by days worked off farm:					
Any -----		-11.0	.88	-3.7	.98
200 days or more -----		-9.7	1.36	3.4	1.08
Livestock and poultry:					
Cattle and calves inventory -----	farms--	-8.7	.28	-5.0	.35
number--		.3	.19	1.3	.19
Beef cows -----	farms--	-4.6	.32	2.3	.43
number--		2.8	.27	5.0	.28
Milk cows -----	farms--	-23.1	.37	-19.1	.44
number--		-5.9	.31	-5.3	.32
Cattle and calves sold -----	farms--	-10.1	.28	-6.1	.34
number--		-2.8	.13	-1.4	.13
Hogs and pigs inventory -----	farms--	-21.4	.29	-20.1	.36
number--		10.1	.32	10.8	.33
Hogs and pigs sold -----	farms--	-21.2	.31	-19.7	.37
number--		15.3	.38	16.0	.38
Sheep and lambs inventory -----	farms--	-12.6	.28	-15.5	.34
number--		-2.6	.18	-2.4	.18
Chickens 3 months old or older inventory -----	farms--	-38.9	.19	-39.2	.22
number--		-6.0	.07	-5.8	.07
Broilers and other meat-type chickens sold -----	farms--	-13.4	.18	-10.9	.16
number--		24.5	.05	24.5	.05
Selected crops harvested:					
Corn for grain or seed -----	farms--	-19.7	.34	-13.4	.40
acres--		18.1	.41	20.2	.42
bushels--		29.3	.46	30.8	.47
Wheat for grain -----	farms--	-17.0	.31	-12.9	.34
acres--		(D)	(D)	(D)	(D)
bushels--		(D)	(D)	(D)	(D)
Cotton -----	farms--	-19.1	.52	-16.5	.55
acres--		11.6	.51	12.0	.51
bales--		15.7	.32	16.0	.32
Soybeans for beans -----	farms--	-13.8	.40	-8.5	.45
acres--		1.9	.35	3.5	.35
bushels--		11.7	.41	12.9	.41
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) -----	farms--	-9.0	.26	-5.5	.33
acres--		-2.4	.26	-1.4	.28
tons, dry--		-1.4	.25	-1.0	.26
Vegetables harvested for sale (see text) -----	farms--	1.9	.28	5.5	.31
acres--		9.1	.15	9.7	.15
Land in orchards -----	farms--	-3.5	.42	-4.2	.52
acres--		4.6	.27	5.0	.26

¹Data are based on a sample of farms.

1992 CENSUS OF AGRICULTURE

APPENDIX C C-15

Table F. Reliability Estimates for the United States and State Totals: 1992

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm ²		Estimated market value of all machinery and equipment ²	
	Total (number)	Relative standard error of estimate ¹ (percent)	Total (acres)	Relative standard error of estimate ¹ (percent)	Total (acres)	Relative standard error of estimate ¹ (percent)	Value (dollars)	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
United States -	1 925 300	.21	945 531 506	.13	491	.25	357 056	.29	93 316 496	.19
Alabama -----	37 905	.9	8 450 823	.6	223	1.1	220 265	1.4	1 148 900	1.0
Alaska -----	512	-	923 037	-	1 803	-	486 550	-	22 423	-
Arizona -----	6 773	1.2	35 037 618	-	5 173	1.2	1 621 530	6.2	402 290	1.2
Arkansas -----	43 937	.7	14 127 711	.4	322	.8	282 389	1.0	1 957 035	.6
California -----	77 669	.9	28 978 997	.2	373	.9	820 063	1.2	4 363 190	.6
Colorado -----	27 152	.8	33 983 029	.2	1 252	.8	536 510	1.5	1 485 320	1.1
Connecticut -----	3 427	1.2	358 743	.8	105	1.4	624 135	3.2	124 989	2.0
Delaware -----	2 633	1.4	589 189	.8	224	1.6	514 156	2.2	177 139	2.2
Florida -----	35 204	1.2	10 766 077	.4	306	1.3	619 265	1.5	1 414 554	.7
Georgia -----	40 759	1.2	10 025 581	.7	246	1.3	280 562	1.6	1 421 195	.8
Hawaii -----	5 336	1.5	1 588 843	.1	298	1.5	722 189	1.7	283 699	.5
Idaho -----	22 124	.8	13 468 992	.3	609	.8	410 206	1.3	1 496 916	1.0
Illinois -----	77 610	1.1	27 250 340	.8	351	1.3	539 181	1.4	5 516 277	1.0
Indiana -----	62 778	1.1	15 618 831	.9	249	1.4	346 199	1.5	3 474 495	1.1
Iowa -----	96 543	1.1	31 346 565	.9	325	1.4	394 267	1.4	6 647 461	1.0
Kansas -----	63 278	1.1	46 672 188	.8	738	1.4	343 312	1.5	3 713 712	1.1
Kentucky -----	90 281	1.0	13 665 798	.7	151	1.2	163 660	1.4	2 244 930	.9
Louisiana -----	25 652	1.6	7 837 545	.6	306	1.7	291 332	2.0	1 186 601	1.0
Maine -----	5 776	.8	1 258 297	.5	218	.9	241 816	2.1	263 791	1.2
Maryland -----	13 037	1.1	2 223 476	.7	171	1.3	503 828	1.9	657 587	1.6
Massachusetts -----	5 258	.9	526 440	.7	100	1.1	460 410	2.3	191 141	1.7
Michigan -----	46 562	.6	10 088 170	.5	217	.8	247 370	1.0	2 558 206	.8
Minnesota -----	75 079	1.2	25 666 944	.9	342	1.5	310 612	1.6	5 239 930	1.0
Mississippi -----	31 998	1.7	10 188 362	.8	318	1.9	248 479	2.1	1 294 742	1.0
Missouri -----	98 082	1.4	28 546 875	1.3	291	1.9	225 015	1.9	3 537 197	1.3
Montana -----	22 821	.9	59 642 536	.2	2 613	.9	594 881	1.5	1 516 085	.9
Nebraska -----	52 923	1.4	44 393 129	.7	839	1.6	429 188	1.8	3 651 286	1.1
Nevada -----	2 890	1.2	9 263 684	-	3 205	1.2	811 941	1.6	172 887	1.6
New Hampshire -----	2 445	.7	385 832	.7	158	1.0	342 607	2.9	83 960	2.5
New Jersey -----	9 079	.9	847 595	.5	93	1.0	615 430	1.9	358 561	1.3
New Mexico -----	14 279	1.1	46 849 244	.1	3 281	1.1	645 677	1.6	525 911	1.0
New York -----	32 306	1.0	7 458 015	.7	231	1.2	282 546	1.4	1 862 289	.9
North Carolina -----	51 854	1.0	8 936 015	.7	172	1.2	269 000	1.4	1 991 218	.9
North Dakota -----	31 123	1.7	39 438 144	1.1	1 267	2.0	422 936	2.1	2 715 228	1.3
Ohio -----	70 711	1.1	14 247 969	1.0	201	1.4	291 766	1.5	3 460 637	1.2
Oklahoma -----	66 937	1.5	32 143 030	1.0	480	1.8	235 359	2.0	2 134 331	1.2
Oregon -----	31 892	1.0	17 609 497	.2	552	1.0	370 938	1.5	1 532 094	1.0
Pennsylvania -----	44 870	1.1	7 189 541	.8	160	1.3	328 795	1.4	2 214 947	.9
Rhode Island -----	649	1.2	49 601	1.4	76	1.8	481 783	2.2	24 479	1.4
South Carolina -----	20 242	1.5	4 472 569	.6	221	1.6	251 583	1.9	667 725	1.0
South Dakota -----	34 057	1.5	44 828 124	.7	1 316	1.7	360 111	1.9	2 398 312	1.3
Tennessee -----	75 076	1.0	11 169 086	.9	149	1.4	186 171	1.5	1 906 868	1.1
Texas -----	180 644	1.1	130 886 608	.5	725	1.2	360 153	1.3	5 964 679	.9
Utah -----	13 520	.7	9 624 463	.1	712	.7	347 982	2.1	526 636	1.1
Vermont -----	5 436	.8	1 278 525	.5	235	1.0	318 131	1.7	276 042	1.5
Virginia -----	42 222	1.1	8 297 011	.6	197	1.2	320 488	1.5	1 388 837	.9
Washington -----	30 264	.7	15 726 007	.1	520	.7	468 482	1.0	1 843 190	.8
West Virginia -----	17 020	1.1	3 267 188	.8	192	1.4	165 088	2.1	326 514	1.5
Wisconsin -----	67 959	1.0	15 463 551	.9	228	1.4	210 179	1.5	4 481 945	1.1
Wyoming -----	8 716	.6	32 876 071	.1	3 772	.6	601 437	1.2	468 114	1.2
Geographic area	Average market value of all machinery and equipment per farm ²		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses ²			
	Value (dollars)	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Value (dollars)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
United States -	48 605	.29	162 608 334	.09	84 459	.23	1 925 269	.21	130 779 261	.09
Alabama -----	30 354	1.4	2 369 179	.1	62 503	.9	37 910	1.0	1 930 063	.3
Alaska -----	43 795	-	15 351	-	29 982	-	512	-	16 308	-
Arizona -----	59 607	1.8	1 515 384	.1	223 739	1.2	6 774	1.4	1 239 020	.4
Arkansas -----	44 601	.9	4 159 505	.1	94 670	.7	43 936	.7	3 245 341	.2
California -----	56 485	1.1	17 051 912	.1	219 546	.9	77 663	1.0	13 804 983	.2
Colorado -----	54 868	1.4	4 115 552	.1	151 575	.8	27 154	.9	3 569 175	.2
Connecticut -----	36 557	2.4	336 983	.1	98 332	1.2	3 426	1.3	282 694	.5
Delaware -----	67 843	2.7	559 766	.1	212 596	1.4	2 627	1.5	448 199	.3
Florida -----	40 898	1.4	5 266 033	.2	149 586	1.2	35 204	1.2	4 082 659	.2
Georgia -----	34 904	1.4	3 521 217	.2	86 391	1.2	40 763	1.2	2 867 358	.3
Hawaii -----	53 207	1.7	552 054	.2	103 458	1.5	5 336	1.6	466 826	.2
Idaho -----	67 841	1.4	2 964 216	.2	133 982	.8	22 129	.9	2 445 017	.3
Illinois -----	71 219	1.5	7 336 864	.7	94 535	1.3	77 606	1.1	5 088 894	.7
Indiana -----	55 440	1.6	4 633 090	.6	73 801	1.3	62 772	1.2	3 645 379	.7
Iowa -----	68 967	1.5	10 099 786	.6	104 614	1.3	96 532	1.1	7 744 947	.7
Kansas -----	58 812	1.6	8 315 965	.3	131 420	1.1	63 280	1.1	6 920 528	.4
Kentucky -----	24 918	1.4	2 663 702	.5	29 505	1.1	90 280	1.0	1 828 743	.6
Louisiana -----	46 299	2.0	1 607 511	.2	62 666	1.6	25 654	1.7	1 309 012	.4
Maine -----	45 757	1.5	430 324	.2	74 502	.8	5 772	.9	351 076	.5

See footnotes at end of table.

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1992 CENSUS OF AGRICULTURE

Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Average market value of all machinery and equipment per farm ²		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses ²					
	Value (dollars)	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Value (dollars)	Relative standard error of estimate ¹ (percent)	Total farm production expenses					
							Farms		Value			
							Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)		
Maryland -----	50 564	1.9	1 169 331	.4	89 693	1.1	13 040	1.0	974 511	.6		
Massachusetts -----	36 359	1.8	350 639	.2	66 687	.9	5 258	.8	266 163	.7		
Michigan -----	55 028	1.0	3 028 547	.3	65 043	.7	46 558	.6	2 583 189	.4		
Minnesota -----	69 859	1.6	6 477 004	.6	86 269	1.4	75 075	1.3	5 244 708	.6		
Mississippi -----	40 616	2.0	2 336 737	.3	73 028	1.7	32 003	1.7	1 954 337	.4		
Missouri -----	36 155	1.9	4 303 148	.8	43 873	1.6	98 082	1.4	3 395 093	.9		
Montana -----	66 472	1.3	1 730 237	.3	75 818	.9	22 824	.9	1 399 200	.5		
Nebraska -----	69 120	1.8	8 209 691	.5	155 125	1.5	52 920	1.4	6 711 544	.5		
Nevada -----	60 260	1.9	288 139	.1	99 702	1.2	2 890	1.0	247 113	.5		
New Hampshire -----	34 566	2.7	114 070	.2	46 654	.7	2 440	.8	95 755	.7		
New Jersey -----	39 620	1.7	532 988	.1	58 706	.9	9 083	1.0	430 843	.6		
New Mexico -----	36 992	1.3	1 258 883	.1	88 163	1.1	14 279	.8	1 049 010	.3		
New York -----	57 738	1.3	2 622 001	.3	81 161	1.0	32 313	1.0	2 142 169	.4		
North Carolina -----	38 452	1.3	4 834 218	.3	93 227	1.0	51 858	1.0	3 817 833	.3		
North Dakota -----	87 290	2.2	2 745 752	.8	88 223	1.9	31 124	1.7	2 090 938	.9		
Ohio -----	48 982	1.6	3 914 040	.7	55 353	1.3	70 695	1.1	3 119 014	.7		
Oklahoma -----	31 943	2.0	3 562 646	.4	53 224	1.6	66 936	1.5	3 117 869	.5		
Oregon -----	48 223	1.5	2 292 973	.3	71 898	1.0	31 875	1.1	1 881 731	.4		
Pennsylvania -----	49 383	1.4	3 570 191	.3	79 567	1.1	44 865	1.1	2 775 313	.4		
Rhode Island -----	37 718	2.2	39 512	.3	60 882	1.2	649	1.7	32 436	.5		
South Carolina -----	33 077	1.7	1 066 079	.2	52 667	1.5	20 242	1.3	897 923	.4		
South Dakota -----	70 495	2.0	3 243 554	.7	95 239	1.7	34 056	1.5	2 563 564	.8		
Tennessee -----	25 520	1.5	1 933 506	.5	25 754	1.1	75 078	1.0	1 492 457	.6		
Texas -----	33 206	1.4	12 004 385	.3	66 453	1.1	180 646	1.0	10 431 343	.3		
Utah -----	39 126	1.3	725 159	.2	53 636	.7	13 518	.7	602 812	.5		
Vermont -----	50 911	1.7	415 253	.2	76 389	.9	5 438	.9	340 482	.6		
Virginia -----	33 090	1.4	2 055 958	.2	48 694	1.1	42 230	1.1	1 699 051	.3		
Washington -----	61 053	1.1	3 821 222	.1	126 263	.7	30 263	.7	3 122 970	.2		
West Virginia -----	19 257	1.9	364 203	.3	21 399	1.1	17 022	1.1	308 703	.7		
Wisconsin -----	66 001	1.5	5 259 670	.8	77 395	1.3	67 964	1.1	4 029 737	.8		
Wyoming -----	53 862	1.3	824 205	.1	94 562	.6	8 715	.6	675 225	.5		
Farm production expenses ² —Con.												
Geographic area	Livestock and poultry purchased				Feed for livestock and poultry			Seeds, bulbs, plants, and trees				
	Farms		Value		Farms		Value		Farms			
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)		
United States -----	629 575	.30	23 043 431	.10	1 104 169	.26	24 084 507	.09	1 005 583	.26	4 235 181	.18
Alabama -----	13 720	1.6	294 066	.4	25 158	1.2	731 753	.2	12 412	1.7	40 718	1.0
Alaska -----	105		254		233	—	—		186	—	618	—
Arizona -----	2 096	3.7	161 937	.7	3 690	2.3	195 198	—	1 809	3.8	23 674	.8
Arkansas -----	15 680	1.4	414 337	.5	29 361	1.0	964 146	.3	12 784	1.3	79 913	.5
California -----	13 769	1.7	935 152	.4	25 147	1.3	2 108 719	.2	18 581	1.5	274 495	.3
Colorado -----	9 868	1.9	1 576 251	.2	16 574	1.3	643 202	.3	10 564	1.6	62 380	1.0
Connecticut -----	969	6.3	9 381	4.4	1 717	3.9	55 796	1.2	1 469	4.1	6 686	1.5
Delaware -----	1 192	3.1	64 080	.6	1 367	3.1	189 867	.4	1 745	2.6	10 470	1.1
Florida -----	7 332	2.5	131 497	1.1	16 345	1.7	382 945	.4	8 983	2.0	141 379	.5
Georgia -----	12 547	1.7	317 816	.3	23 992	1.4	909 360	.2	16 472	1.6	84 756	.7
Hawaii -----	478	2.1	7 856	.5	921	1.9	37 060	.2	1 507	1.7	12 655	.2
Idaho -----	8 621	2.0	527 312	.5	12 731	1.5	347 903	.7	10 638	1.6	81 901	.9
Illinois -----	21 039	1.7	434 193	1.2	34 430	1.4	531 978	1.2	63 590	1.2	357 597	.9
Indiana -----	19 087	1.7	328 492	1.0	31 571	1.4	657 193	.7	45 911	1.4	203 920	.9
Iowa -----	41 068	1.3	1 490 792	.7	58 661	1.2	1 317 636	.7	78 194	1.1	386 488	.9
Kansas -----	22 509	1.6	3 193 374	.2	36 836	1.3	1 146 620	.4	41 729	1.3	122 886	1.0
Kentucky -----	24 318	1.5	240 512	1.1	44 752	1.2	246 108	.8	56 341	1.1	58 894	.8
Louisiana -----	6 643	3.0	63 257	1.4	13 776	2.2	171 376	.5	10 447	1.9	55 470	1.0
Maine -----	1 360	4.5	18 658	1.4	2 655	2.8	70 781	.7	2 073	3.0	15 329	1.7
Maryland -----	4 348	2.6	126 429	1.4	6 929	1.9	299 426	.7	8 052	1.7	29 339	1.5
Massachusetts -----	1 257	5.5	7 374	7.1	2 202	3.3	28 422	2.3	1 924	3.4	10 327	3.2
Michigan -----	13 767	1.6	205 867	1.3	21 222	1.2	333 497	.8	30 784	.9	137 278	.7
Minnesota -----	26 925	1.6	607 096	.8	41 271	1.4	919 271	.6	57 613	1.3	272 840	.8
Mississippi -----	9 260	2.5	170 363	.8	19 301	2.0	458 354	.4	12 797	2.1	46 998	.9
Missouri -----	33 768	1.7	469 893	1.1	65 888	1.5	751 669	.9	42 272	1.7	130 007	1.1
Montana -----	8 252	1.8	191 132	.8	13 555	1.3	142 789	.8	9 376	1.6	28 625	1.2
Nebraska -----	22 055	1.7	2 502 060	.3	31 853	1.6	1 086 234	.5	39 138	1.6	211 555	1.1
Nevada -----	1 040	4.6	33 238	.7	1 832	2.7	49 970	.6	607	5.5	3 191	1.5
New Hampshire -----	732	6.0	2 968	2.9	1 265	3.5	18 649	.8	831	4.4	3 271	5.6
New Jersey -----	1 910	4.6	9 487	4.4	3 427	3.0	32 427	1.9	4 239	2.2	29 126	.9
New Mexico -----	4 816	1.9	257 230	.4	8 761	1.2	221 787	.3	3 353	2.3	15 594	1.1
New York -----	11 354	1.8	113 243	1.4	19 712	1.3	458 038	.5	18 246	1.3	64 073	.6
North Carolina -----	12 925	1.7	431 873	.4	23 132	1.3	1 288 719	.2	29 662	1.4	85 959	.9
North Dakota -----	9 615	2.5	143 982	2.5	14 372	2.2	104 335	2.1	21 636	1.8	117 860	.9

See footnotes at end of table.

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Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses ² —Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
Ohio	21 991	1.6	287 297	1.2	35 802	1.3	545 008	.9	50 075	1.3	179 519	1.0
Oklahoma	25 260	1.8	1 103 395	.3	49 595	1.6	628 412	.4	20 447	1.9	41 030	1.2
Oregon	10 937	1.9	160 847	1.3	18 983	1.4	230 557	.9	8 422	1.9	51 855	.8
Pennsylvania	17 589	1.6	306 690	.8	28 684	1.2	755 864	.4	30 107	1.2	72 804	.7
Rhode Island	147	2.9	1 130	1.3	288	2.4	4 320	.8	286	1.9	1 348	.7
South Carolina	4 902	2.8	66 195	1.0	10 173	1.9	199 673	.5	9 426	1.8	25 051	1.2
South Dakota	16 009	1.8	632 721	.8	22 463	1.7	360 923	.9	23 696	1.7	106 547	1.2
Tennessee	21 593	1.6	153 877	1.3	42 127	1.2	266 443	.6	33 502	1.3	52 942	1.1
Texas	60 285	1.2	3 516 453	.2	126 940	1.1	2 063 320	.3	57 868	1.3	195 272	.8
Utah	5 333	2.2	103 978	1.4	7 544	1.7	135 079	.6	5 400	2.1	9 980	1.7
Vermont	2 060	3.3	21 278	2.2	3 937	1.8	108 490	.9	2 351	2.6	4 100	2.5
Virginia	14 208	1.7	230 888	.9	24 667	1.3	461 703	.3	18 804	1.4	41 102	.7
Washington	8 540	2.0	360 704	.5	15 116	1.3	445 993	.5	9 939	1.5	83 826	.9
West Virginia	5 457	2.6	54 571	1.9	10 551	1.6	101 386	.6	4 496	2.7	3 733	1.8
Wisconsin	26 779	1.5	349 520	1.4	46 433	1.2	785 140	1.0	52 164	1.2	151 629	1.0
Wyoming	4 060	2.3	212 437	.8	6 227	1.4	89 381	.8	2 635	2.6	8 772	1.8
Farm production expenses ² —Con.												
Geographic area	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
	United States	.24	8 204 324	.18	1 092 602	.25	6 133 705	.17	1 817 687	.22	6 120 452	.16
Alabama	25 260	1.2	103 080	.9	13 018	1.6	72 317	.9	36 228	1.0	76 567	.7
Alaska	338	—	1 225	—	127	—	110	—	487	—	1 224	—
Arizona	2 796	2.9	57 842	.9	2 507	2.7	73 166	1.2	6 016	1.6	46 774	.9
Arkansas	24 784	1.1	184 504	.5	14 763	1.3	201 753	.4	42 215	.8	169 025	.4
California	42 602	1.1	568 772	.4	45 721	1.1	694 549	.4	66 759	1.0	414 984	.4
Colorado	12 076	1.5	93 985	1.2	13 050	1.5	57 644	1.8	25 478	.9	115 815	.9
Connecticut	2 051	3.3	11 236	2.1	1 458	4.2	4 506	1.6	3 184	1.7	9 985	1.2
Delaware	1 666	2.9	19 838	2.1	1 834	2.6	15 272	1.2	2 380	1.8	10 367	1.3
Florida	24 885	1.3	283 424	.5	18 749	1.5	320 675	.5	30 716	1.3	128 168	.5
Georgia	26 917	1.4	191 665	.8	17 101	1.6	148 906	.6	38 041	1.2	125 189	.6
Hawaii	4 028	1.6	30 574	.3	3 853	1.6	20 396	.3	4 831	1.6	18 110	.3
Idaho	11 732	1.5	190 698	.7	11 435	1.5	82 374	1.1	20 715	1.0	95 329	.7
Illinois	62 069	1.2	645 280	1.0	63 410	1.2	439 672	1.0	74 895	1.1	322 542	.9
Indiana	47 406	1.3	420 849	1.0	46 648	1.3	247 300	1.0	59 695	1.2	205 728	.9
Iowa	74 421	1.2	578 142	1.0	77 540	1.1	424 136	1.0	92 977	1.1	379 607	.9
Kansas	44 859	1.3	280 102	1.1	41 292	1.3	161 750	1.2	60 632	1.1	284 197	.9
Kentucky	75 790	1.0	176 898	.9	51 846	1.1	70 835	1.0	86 796	1.0	105 188	.8
Louisiana	16 983	1.7	121 097	.7	11 032	1.8	170 327	.7	24 458	1.7	91 578	.7
Maine	3 181	2.4	18 543	1.2	2 366	2.7	16 197	1.5	5 435	1.1	15 276	1.2
Maryland	9 078	1.5	59 352	2.2	8 999	1.6	34 930	2.1	12 224	1.1	33 278	1.3
Massachusetts	3 481	2.1	10 021	1.8	2 337	2.9	7 616	2.1	4 883	1.1	12 906	1.6
Michigan	33 548	.9	218 185	.9	33 010	.9	149 282	.8	44 242	.7	141 653	.6
Minnesota	54 458	1.3	405 097	.9	51 053	1.4	301 155	.8	72 449	1.3	298 913	.8
Mississippi	21 490	1.9	124 296	.9	11 979	2.0	216 262	.5	30 774	1.7	101 058	.7
Missouri	63 374	1.6	301 298	1.2	48 013	1.6	170 477	1.1	92 699	1.4	193 235	1.2
Montana	11 374	1.4	85 281	1.2	11 796	1.4	57 078	1.5	21 591	.9	108 667	.7
Nebraska	37 794	1.6	344 363	1.1	35 592	1.6	202 392	1.2	50 701	1.5	288 400	1.1
Nevada	770	5.2	6 930	1.7	644	5.3	3 949	1.0	2 678	1.3	14 154	1.0
New Hampshire	1 287	3.6	2 868	2.2	811	5.0	1 528	1.7	2 271	1.4	4 171	2.4
New Jersey	5 533	1.8	25 949	1.1	4 212	2.2	19 152	1.0	8 564	1.1	22 184	.9
New Mexico	4 576	1.9	29 236	1.1	3 382	2.2	15 096	1.2	12 925	.9	49 222	1.0
New York	20 843	1.2	94 324	.7	16 774	1.3	67 322	.8	31 103	1.0	100 002	.6
North Carolina	40 585	1.1	233 479	1.0	30 449	1.4	151 341	.8	49 736	1.0	184 299	.8
North Dakota	19 856	1.7	200 797	.7	21 373	1.8	161 765	.9	30 299	1.8	181 040	1.1
Ohio	52 433	1.2	305 407	1.1	51 627	1.2	189 954	1.1	67 785	1.1	176 670	1.0
Oklahoma	34 703	1.8	140 995	1.1	22 332	1.8	57 080	1.3	62 807	1.6	146 709	1.0
Oregon	16 616	1.4	119 158	.9	23 952	1.2	104 042	1.0	28 479	1.1	80 192	.8
Pennsylvania	32 207	1.2	108 455	.8	27 229	1.3	66 144	.9	43 287	1.1	107 247	.7
Rhode Island	408	1.8	1 332	.8	307	1.9	904	.8	607	1.7	1 487	.8
South Carolina	14 759	1.5	83 614	1.0	8 987	1.8	57 191	.8	19 079	1.3	54 384	.8
South Dakota	19 672	1.7	128 044	1.1	21 271	1.7	110 347	1.2	32 702	1.5	157 432	1.1
Tennessee	55 355	1.1	148 377	1.0	30 862	1.3	79 851	.7	71 265	1.0	83 727	.9
Texas	96 832	1.1	445 433	.8	64 132	1.2	288 639	.8	167 619	1.1	486 457	.7
Utah	6 272	1.9	17 412	1.8	5 917	1.9	8 569	2.2	12 670	.9	34 722	1.0
Vermont	3 127	2.4	10 887	1.3	1 979	3.0	3 402	3.6	5 046	1.2	12 369	1.2
Virginia	29 001	1.3	108 844	.8	24 321	1.3	64 381	.8	40 388	1.1	79 225	.7
Washington	16 663	1.1	185 614	.7	23 884	.9	170 128	.8	27 819	.8	115 163	.6
West Virginia	9 717	1.8	11 670	2.8	7 996	2.0	6 428	1.8	16 045	1.2	15 877	1.4
Wisconsin	50 843	1.2	248 410	1.0	56 383	1.1	135 926	1.0	64 978	1.1	183 421	.9
Wyoming	2 922	2.6	21 444	1.8	3 249	2.4	9 491	2.3	8 034	.9	36 536	.9

See footnotes at end of table.

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1992 CENSUS OF AGRICULTURE

Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses ² —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
United States	1 296 400	.24	2 568 877	.15	693 011	.27	12 961 639	.09	239 724	.45	2 323 904	.27
Alabama	19 141	1.3	25 232	.8	12 754	1.6	140 414	.4	3 867	3.0	15 095	1.4
Alaska	348	—	403	—	188	—	3 928	—	66	—	176	—
Arizona	3 931	2.3	27 855	.9	2 946	2.7	190 442	.7	1 461	4.6	72 997	.7
Arkansas	23 973	1.1	54 214	.6	15 422	1.3	223 124	.4	6 228	2.3	25 890	1.6
California	55 124	1.1	500 264	.4	38 347	1.1	2 922 390	.2	25 785	1.4	967 377	.5
Colorado	18 662	1.2	58 473	1.1	9 137	1.8	209 675	.7	4 835	2.8	26 105	2.9
Connecticut	2 317	2.8	7 354	1.2	1 001	4.7	77 980	.2	324	10.9	3 901	7.2
Delaware	1 980	2.5	6 082	.7	946	3.9	23 911	.7	314	6.4	3 674	.8
Florida	22 296	1.4	55 132	.6	13 151	1.7	937 571	.3	7 965	2.3	367 000	.5
Georgia	22 967	1.3	48 141	.5	13 720	1.5	252 721	.3	4 859	2.6	35 626	1.0
Hawaii	1 938	1.5	5 917	.3	1 447	1.4	178 788	.1	665	2.0	6 406	.8
Idaho	16 250	1.2	84 103	.8	10 005	1.6	245 990	.6	3 947	2.9	32 386	1.3
Illinois	60 437	1.1	89 416	1.0	25 398	1.5	300 090	.8	4 691	3.4	15 302	5.3
Indiana	45 290	1.3	60 628	.9	19 252	1.6	209 089	.5	4 256	3.2	16 567	2.3
Iowa	81 860	1.1	133 955	.9	36 520	1.3	259 210	.9	7 275	2.7	19 833	3.3
Kansas	44 384	1.3	54 721	1.1	21 093	1.6	239 629	.6	7 180	2.6	25 166	2.9
Kentucky	51 552	1.1	28 787	1.0	39 979	1.3	202 545	.7	12 440	2.1	34 570	2.1
Louisiana	14 701	1.9	17 560	1.0	10 361	1.9	146 667	.4	3 142	3.5	11 560	2.6
Maine	4 051	1.9	8 763	.9	2 485	2.9	61 086	.7	816	5.7	7 348	3.1
Maryland	9 068	1.6	18 192	1.0	4 875	2.5	93 631	1.2	1 335	5.7	7 688	4.6
Massachusetts	3 674	2.1	7 221	1.4	1 847	3.2	77 337	1.0	775	5.8	6 406	3.8
Michigan	34 961	.8	49 096	.7	15 908	1.4	318 276	.4	4 052	3.0	22 488	1.8
Minnesota	64 198	1.3	111 364	.9	28 275	1.4	261 649	.6	5 606	2.8	21 620	2.1
Mississippi	14 358	1.9	28 120	.7	11 373	2.0	168 464	.4	3 293	3.6	16 705	1.7
Missouri	64 743	1.6	51 802	1.2	26 290	1.7	190 051	.8	9 246	2.6	20 629	3.3
Montana	17 808	1.1	29 742	1.0	8 191	1.6	107 632	.8	4 130	2.6	15 244	3.1
Nebraska	43 372	1.5	95 895	1.1	19 889	1.6	254 132	.6	5 622	2.9	18 344	3.5
Nevada	2 064	2.3	11 539	1.2	1 143	3.5	31 652	.8	521	6.3	3 672	4.1
New Hampshire	1 614	2.7	3 249	1.1	885	4.5	21 601	.6	281	10.2	1 140	5.1
New Jersey	6 029	1.9	10 184	1.3	2 659	2.8	115 161	.4	749	7.2	11 665	1.0
New Mexico	7 732	1.3	22 663	.8	5 597	1.6	115 633	.4	2 673	2.5	32 608	1.0
New York	25 665	1.1	71 925	.7	12 903	1.5	336 461	.3	2 460	3.8	18 485	1.8
North Carolina	32 089	1.3	66 747	.6	21 919	1.4	388 338	.4	6 362	2.5	41 893	1.6
North Dakota	25 489	1.8	33 698	1.3	11 895	1.9	99 790	.7	2 800	3.7	9 370	2.6
Ohio	51 576	1.2	54 020	1.1	20 559	1.6	259 501	.6	4 919	3.1	16 012	3.0
Oklahoma	37 258	1.7	28 232	1.1	20 070	1.9	144 750	.6	9 892	2.5	23 629	2.3
Oregon	22 431	1.3	45 048	1.0	11 480	1.7	367 047	.5	4 850	2.8	31 329	3.2
Pennsylvania	34 830	1.2	82 113	.5	14 447	1.5	352 456	.2	3 240	3.4	25 590	1.7
Rhode Island	441	1.7	733	.7	237	1.8	9 076	.3	55	3.7	508	1.3
South Carolina	10 736	1.7	16 156	.8	6 956	2.0	111 836	.5	1 916	4.0	15 223	1.2
South Dakota	28 325	1.6	45 110	1.3	12 699	1.9	95 956	1.0	3 246	3.6	10 668	4.0
Tennessee	35 976	1.3	21 644	.9	25 662	1.4	138 434	.6	7 652	2.4	24 663	2.2
Texas	102 493	1.1	143 965	.8	57 952	1.2	729 915	.4	35 804	1.4	125 550	1.2
Utah	7 326	1.7	15 448	1.5	5 860	1.9	72 014	.9	1 791	4.3	6 866	4.6
Vermont	4 411	1.6	11 755	.8	2 508	2.5	38 323	1.2	556	6.6	2 359	2.1
Virginia	22 564	1.3	27 032	.5	16 359	1.5	188 671	.4	3 927	3.2	17 113	2.0
Washington	22 085	1.0	65 250	.7	14 145	1.2	601 614	.5	3 746	3.2	58 402	2.1
West Virginia	7 275	2.1	4 872	3.1	5 179	2.6	26 956	1.3	1 180	6.0	3 520	5.1
Wisconsin	58 150	1.1	118 085	1.1	27 681	1.4	362 356	.8	5 005	3.1	18 705	2.3
Wyoming	6 457	1.4	10 979	1.3	3 416	2.2	57 677	.5	1 924	3.2	8 831	2.3
Farm production expenses ² —Con.												
Geographic area	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
	United States	.22	7 731 748	.16	666 702	.30	2 559 474	.29	872 462	.27	8 111 337	.19
Alabama	30 761	1.1	93 031	.8	9 446	2.0	20 757	1.8	13 501	1.6	82 647	1.1
Alaska	451	—	1 263	—	116	—	142	—	225	—	869	—
Arizona	5 198	1.8	53 838	.8	1 957	3.7	43 279	2.6	2 641	3.1	51 921	2.0
Arkansas	36 353	.8	178 906	.5	12 057	1.6	77 432	.9	20 975	1.2	165 014	.8
California	60 113	1.0	630 574	.4	27 174	1.3	448 923	.6	29 185	1.2	738 910	.5
Colorado	22 628	1.0	134 816	1.0	10 198	1.8	52 486	2.1	13 513	1.5	165 509	1.1
Connecticut	2 919	2.1	14 857	1.6	542	8.4	1 592	3.8	878	5.4	10 443	2.0
Delaware	2 280	2.1	16 222	1.2	1 134	4.3	2 849	4.3	1 270	3.2	16 664	1.5
Florida	26 205	1.4	251 076	.4	8 419	2.2	79 297	.9	11 147	1.9	219 234	.7
Georgia	32 210	1.2	136 684	.7	11 177	1.9	37 966	1.4	15 610	1.5	147 611	.8
Hawaii	3 872	1.6	34 231	.2	775	1.9	4 395	.6	1 048	1.5	14 051	.5
Idaho	18 514	1.1	133 411	.7	9 393	1.8	56 439	1.9	11 980	1.5	157 683	.9
Illinois	66 831	1.1	375 501	1.0	32 690	1.4	100 931	2.1	42 731	1.3	431 344	1.1
Indiana	52 836	1.3	243 906	1.0	23 867	1.6	53 466	1.9	32 082	1.5	290 504	1.1

See footnotes at end of table.

1992 CENSUS OF AGRICULTURE

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Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses ² —Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
Iowa-----	86 413	1.1	485 479	1.0	48 890	1.3	141 975	1.8	61 909	1.2	593 994	1.0
Kansas-----	53 711	1.2	313 515	1.0	26 719	1.6	126 061	1.6	35 032	1.4	318 599	1.0
Kentucky-----	70 952	1.0	146 058	.9	26 121	1.5	30 414	1.7	36 030	1.3	173 887	1.2
Louisiana-----	21 050	1.7	118 469	.7	6 619	2.4	40 702	1.2	8 696	2.0	70 931	1.0
Maine-----	4 778	1.5	21 887	1.2	1 390	4.2	4 975	1.8	2 162	3.0	14 775	2.2
Maryland-----	11 052	1.3	55 156	1.7	4 733	2.7	13 471	4.3	4 602	2.6	42 938	2.0
Massachusetts-----	4 506	1.4	18 080	1.7	1 072	5.3	4 035	3.2	1 604	4.0	14 502	3.1
Michigan-----	40 611	.7	189 820	.8	15 413	1.5	40 995	1.6	21 399	1.2	181 417	.9
Minnesota-----	68 211	1.3	387 409	.9	33 801	1.5	94 850	1.6	46 747	1.4	449 417	.9
Mississippi-----	26 115	1.8	120 269	.7	8 455	2.5	52 013	.9	12 145	2.1	97 991	.9
Missouri-----	79 860	1.5	241 745	1.2	32 252	1.8	67 426	2.1	45 875	1.7	288 478	1.3
Montana-----	19 724	1.0	113 906	.9	7 393	1.9	32 543	2.2	13 200	1.3	146 474	1.0
Nebraska-----	47 373	1.5	329 031	1.1	26 103	1.8	103 389	2.1	33 420	1.6	380 597	1.1
Nevada-----	2 363	1.9	16 378	1.2	791	4.8	5 031	4.3	1 113	4.0	18 621	1.7
New Hampshire-----	2 068	2.0	6 969	1.6	428	7.4	698	6.3	813	4.8	5 177	3.7
New Jersey-----	7 501	1.4	28 268	1.2	1 650	4.3	4 817	3.3	2 010	3.5	17 122	2.3
New Mexico-----	10 989	1.0	48 589	1.1	3 587	2.2	15 561	2.7	5 339	1.6	69 101	1.1
New York-----	28 561	1.1	164 993	.7	9 041	1.9	23 951	1.8	14 134	1.5	125 135	.9
North Carolina-----	42 818	1.1	171 928	.8	16 441	1.7	42 312	1.8	19 038	1.5	143 502	.8
North Dakota-----	28 340	1.8	191 111	1.2	15 304	2.0	64 170	1.5	20 696	1.8	213 388	1.2
Ohio-----	60 915	1.1	227 455	1.1	26 255	1.6	44 730	1.8	30 967	1.5	216 492	1.2
Oklahoma-----	53 464	1.6	158 445	1.2	18 775	2.0	62 841	1.5	28 942	1.7	195 857	1.0
Oregon-----	25 574	1.2	121 370	.8	9 015	2.0	38 704	2.0	12 384	1.7	133 197	1.2
Pennsylvania-----	39 818	1.1	183 367	.8	16 010	1.5	34 429	1.0	17 895	1.4	144 542	.9
Rhode Island-----	560	1.7	2 406	.8	112	2.7	260	1.2	196	2.1	1 473	1.6
South Carolina-----	16 201	1.4	56 450	.9	4 940	2.7	12 115	3.2	6 503	2.3	40 773	1.4
South Dakota-----	30 693	1.6	173 729	1.2	17 130	1.9	64 050	1.8	22 126	1.7	198 194	1.2
Tennessee-----	57 679	1.1	113 067	1.0	19 752	1.7	27 406	1.9	23 300	1.5	110 900	1.3
Texas-----	143 321	1.1	484 001	.8	56 936	1.3	216 200	1.1	65 334	1.2	451 603	.8
Utah-----	11 133	1.1	39 227	1.4	4 665	2.4	8 726	2.6	5 460	2.0	42 771	1.5
Vermont-----	4 792	1.4	24 027	1.1	1 587	3.2	4 913	2.5	2 691	2.5	23 441	1.6
Virginia-----	34 281	1.2	102 175	.9	10 686	1.9	16 587	1.8	13 746	1.6	85 120	1.1
Washington-----	25 446	.8	193 976	.7	9 227	1.7	62 861	1.6	13 192	1.4	191 779	.9
West Virginia-----	13 117	1.4	19 831	1.8	2 391	4.0	2 452	5.9	3 963	3.0	17 179	2.7
Wisconsin-----	60 811	1.1	322 254	1.0	31 683	1.4	64 464	1.6	38 286	1.4	346 096	1.2
Wyoming-----	7 274	1.2	42 591	.9	2 390	3.0	9 393	2.2	4 727	1.9	53 470	1.2
Geographic area	Farm production expenses ² —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
United States -	525 785	.32	5 960 068	.24	1 761 730	.22	3 507 126	.20	1 741 304	.22	13 233 487	.12
Alabama-----	8 876	2.0	47 011	1.2	35 150	1.0	16 934	1.4	32 239	1.0	170 440	.4
Alaska-----	101	—	242	—	452	—	796	—	455	—	3 473	—
Arizona-----	1 443	3.9	59 131	1.1	6 096	1.6	21 796	2.7	6 075	1.5	159 169	.7
Arkansas-----	10 645	1.8	117 392	.5	41 564	.8	37 693	.9	39 389	.8	352 000	.3
California-----	14 392	1.5	492 662	.5	69 894	1.0	291 385	.7	71 882	1.0	1 815 826	.3
Colorado-----	6 364	2.4	67 697	2.0	24 319	1.0	53 377	1.2	25 187	.9	251 759	.7
Connecticut-----	893	5.3	4 052	3.4	3 202	1.6	10 511	3.1	3 042	1.8	54 415	.5
Delaware-----	785	4.7	13 804	1.4	2 491	1.7	3 176	2.9	2 409	1.9	51 925	.5
Florida-----	4 967	2.7	77 950	.8	32 876	1.2	126 133	.7	30 125	1.3	581 177	.3
Georgia-----	9 311	1.9	103 710	.8	38 653	1.2	69 922	1.1	34 949	1.2	257 285	.3
Hawaii-----	1 583	1.6	15 249	.3	4 129	1.6	6 696	.8	4 701	1.6	74 443	.2
Idaho-----	6 082	2.3	100 998	1.2	20 516	1.0	48 131	1.1	20 839	1.0	260 360	.5
Illinois-----	25 142	1.5	422 189	1.3	65 516	1.1	153 680	1.1	73 378	1.1	469 178	.9
Indiana-----	17 403	1.7	289 120	1.1	59 616	1.2	122 746	1.1	57 862	1.3	295 874	.8
Iowa-----	38 795	1.3	677 490	1.1	81 786	1.1	240 832	1.1	93 438	1.1	615 377	.9
Kansas-----	18 798	1.7	148 551	1.5	57 770	1.1	112 116	1.2	59 295	1.2	393 838	.8
Kentucky-----	10 111	2.1	51 908	1.4	83 423	1.0	54 254	1.3	77 889	1.0	207 887	.8
Louisiana-----	6 933	2.2	76 189	.8	21 213	1.8	12 845	1.9	21 825	1.7	140 984	.5
Maine-----	1 135	4.2	5 336	2.7	5 568	1.1	13 753	1.5	5 099	1.3	58 370	.6
Maryland-----	3 632	2.9	36 065	2.9	11 734	1.2	20 879	1.8	11 904	1.2	103 737	.9
Massachusetts-----	1 047	5.1	4 873	4.2	4 840	1.1	16 695	2.4	4 747	1.3	40 348	1.3
Michigan-----	14 665	1.5	132 101	1.2	43 651	.7	170 743	.8	42 218	.7	292 492	.6
Minnesota-----	30 524	1.5	476 600	.9	68 192	1.3	141 669	1.0	71 406	1.3	495 758	.8
Mississippi-----	8 098	2.4	138 331	.5	28 742	1.8	28 683	1.4	26 896	1.7	186 430	.4
Missouri-----	18 723	2.0	119 876	1.5	94 428	1.4	79 052	1.5	88 932	1.5	319 456	1.0
Montana-----	6 914	1.9	73 717	1.7	21 382	.9	74 177	.9	21 593	1.0	192 194	.7
Nebraska-----	19 285	1.8	261 509	1.5	47 454	1.4	182 849	1.2	50 950	1.5	450 793	.9
Nevada-----	491	7.2	5 842	4.2	2 674	1.4	7 475	2.1	2 664	1.5	35 471	.8
New Hampshire-----	308	4.8	1 077	2.0	2 330	1.1	8 521	3.1	2 124	1.9	13 871	1.3

See footnotes at end of table.

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1992 CENSUS OF AGRICULTURE

Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses ² —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)
New Jersey -----	1 696	3.6	12 365	2.0	8 195	1.2	25 379	2.3	7 993	1.3	67 559	.9
New Mexico -----	2 799	2.5	29 172	1.9	13 240	.9	14 996	1.4	12 383	.9	112 522	.5
New York -----	9 825	1.7	48 608	1.0	30 507	1.0	124 566	.9	30 218	1.0	331 044	.5
North Carolina -----	16 600	1.7	163 376	.9	49 192	1.0	59 169	1.1	45 144	1.1	364 899	.4
North Dakota -----	16 577	1.8	277 212	1.0	26 816	1.8	56 779	1.7	30 160	1.8	235 642	1.1
Ohio -----	19 904	1.7	216 114	1.2	64 108	1.1	86 406	1.2	64 754	1.1	314 430	.8
Oklahoma -----	21 397	1.9	102 994	1.1	63 379	1.6	56 103	1.3	58 968	1.6	227 398	.7
Oregon -----	6 069	2.3	85 134	1.3	29 510	1.1	68 203	1.1	28 623	1.1	245 048	.8
Pennsylvania -----	14 464	1.6	76 928	1.2	40 766	1.1	96 902	1.1	41 382	1.1	361 780	.4
Rhode Island -----	141	2.2	909	.5	595	1.8	2 119	1.7	587	1.7	4 431	.5
South Carolina -----	5 526	2.2	41 223	1.1	18 991	1.4	16 823	1.4	16 701	1.4	101 217	.4
South Dakota -----	15 030	1.9	148 810	1.5	29 959	1.5	90 689	1.3	32 691	1.5	240 344	1.1
Tennessee -----	12 569	1.9	55 800	1.1	71 071	1.0	52 921	1.2	63 329	1.1	162 405	.7
Texas -----	44 828	1.3	294 210	1.0	162 392	1.0	201 830	1.0	155 754	1.1	788 493	.5
Utah -----	3 924	2.6	17 742	2.7	12 801	.9	15 548	1.5	12 467	.9	74 729	.9
Vermont -----	1 630	3.4	5 372	2.5	5 104	1.1	16 432	1.5	5 054	1.2	53 334	.9
Virginia -----	9 844	1.8	57 154	.9	40 146	1.1	49 989	1.3	36 948	1.1	169 068	.5
Washington -----	6 367	2.1	101 971	1.4	28 321	.7	77 300	.9	27 981	.8	408 390	.5
West Virginia -----	2 126	4.1	4 379	2.8	16 204	1.2	7 599	1.9	14 061	1.3	28 251	1.1
Wisconsin -----	24 391	1.6	175 487	1.5	62 831	1.0	244 429	.9	64 346	1.1	523 816	1.1
Wyoming -----	2 632	2.8	24 436	1.8	7 941	.9	15 428	1.3	8 248	.8	74 359	.9
Net cash return from agricultural sales for the farm unit (see text) ²												
Geographic area	Total cropland											
	Farms				Acres				Farms		Acres	
	Number	Relative standard error of estimate ¹ (percent)	Total (\$1,000)	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)
	United States -	.21	30 421 664	.18	1 697 137	.21	435 365 878	.18	1 491 786	.21	295 936 976	.17
Alabama -----	37 910	1.0	381 882	.9	32 327	.9	4 237 057	.6	24 780	.9	2 104 064	.4
Alaska -----	512	—	—	—	419	—	—	—	352	—	22 699	—
Arizona -----	6 774	1.4	247 273	1.1	4 356	1.2	1 344 091	.3	3 323	1.1	911 355	.3
Arkansas -----	43 936	.7	778 566	.6	37 408	.7	10 064 948	.3	30 441	.6	7 295 095	.2
California -----	77 663	1.0	3 179 111	.4	64 417	.9	10 479 268	.4	56 785	.9	7 760 773	.3
Colorado -----	27 154	.9	515 763	1.1	21 882	.8	10 933 484	.4	18 573	.7	5 532 964	.4
Connecticut -----	3 426	1.3	53 863	2.0	3 058	1.2	192 756	.6	2 789	1.2	143 782	.6
Delaware -----	2 627	1.5	108 998	1.1	2 162	1.5	495 156	.7	1 956	1.6	470 348	.7
Florida -----	35 204	1.2	1 139 072	.5	28 702	1.2	3 841 505	.6	22 556	1.1	2 400 704	.4
Georgia -----	40 763	1.2	561 686	.7	34 600	1.2	5 475 712	.6	27 177	1.2	3 322 666	.5
Hawaii -----	5 336	1.6	85 228	.5	4 735	1.6	293 371	.4	4 472	1.6	136 431	.3
Idaho -----	22 129	.9	493 797	1.2	19 204	.8	6 301 862	.4	16 023	.8	4 225 273	.4
Illinois -----	77 606	1.1	2 169 423	1.0	72 626	1.1	24 164 457	.8	69 425	1.1	21 868 287	.8
Indiana -----	62 772	1.2	961 902	1.0	58 117	1.2	13 366 034	.8	54 252	1.2	11 834 675	.8
Iowa -----	96 541	1.1	2 193 209	1.0	88 224	1.1	27 195 676	.9	84 009	1.1	22 826 308	.8
Kansas -----	63 280	1.1	1 393 417	.8	56 389	1.1	31 119 250	.9	52 348	1.1	18 794 787	.8
Kentucky -----	90 280	1.0	817 456	.9	86 345	1.0	8 880 989	.7	79 590	1.0	4 417 651	.5
Louisiana -----	25 654	1.7	268 077	1.2	21 777	1.5	5 552 733	.5	17 171	1.4	3 810 690	.3
Maine -----	5 772	.9	72 781	2.2	5 495	.8	559 424	.4	5 141	.8	399 755	.4
Maryland -----	13 040	1.0	186 174	2.2	11 605	1.1	1 663 907	.7	10 447	1.1	1 397 069	.6
Massachusetts -----	5 258	.8	77 725	2.1	4 853	.9	235 284	.6	4 417	.9	173 255	.6
Michigan -----	46 558	.6	431 005	1.5	44 320	.6	8 156 388	.5	41 334	.6	6 584 251	.5
Minnesota -----	75 075	1.3	1 216 890	1.0	69 866	1.2	21 387 063	.8	66 549	1.2	18 201 061	.8
Mississippi -----	32 003	1.7	319 662	1.2	27 625	1.7	6 518 288	.7	22 245	1.6	4 404 612	.5
Missouri -----	98 082	1.4	889 365	1.2	86 617	1.4	19 228 832	1.3	74 240	1.5	12 158 832	1.1
Montana -----	22 824	.9	333 711	1.4	19 442	.9	17 494 553	.4	17 100	.8	8 199 296	.4
Nebraska -----	52 920	1.4	1 462 607	1.0	46 348	1.4	22 402 132	1.0	43 879	1.4	16 146 818	.9
Nevada -----	2 891	1.0	40 728	2.4	2 255	1.1	840 364	.3	1 753	1.0	408 568	.3
New Hampshire -----	2 440	.8	15 953	4.0	2 242	.7	135 437	.5	2 039	.7	100 746	.5
New Jersey -----	9 083	1.0	95 771	2.1	8 221	.8	623 466	.4	7 149	.8	491 518	.4
New Mexico -----	14 279	.8	196 574	1.1	9 447	1.1	2 252 970	.4	7 213	1.1	1 060 345	.3
New York -----	32 313	1.0	456 371	1.0	30 651	1.0	4 876 169	.6	28 715	1.0	3 534 898	.5
North Carolina -----	51 858	1.0	912 136	.7	47 497	1.0	5 578 191	.7	42 135	1.0	3 998 685	.7
North Dakota -----	31 124	1.7	652 308	1.2	28 967	1.7	27 469 875	1.1	27 804	1.7	19 216 531	.9
Ohio -----	70 695	1.1	787 050	1.2	66 353	1.1	11 528 727	1.0	62 535	1.1	9 790 327	1.0
Oklahoma -----	66 936	1.5	395 182	1.3	53 197	1.5	14 520 063	1.1	42 015	1.5	8 272 889	.8
Oregon -----	31 875	1.1	398 979	1.2	26 508	.9	5 037 764	.4	20 743	.9	2 823 972	.4
Pennsylvania -----	44 866	1.1	758 341	.6	42 390	1.1	5 021 773	.8	40 090	1.1	3 861 435	.7
Rhode Island -----	649	1.7	7 077	1.0	591	1.2	24 411	1.1	517	1.3	18 136	1.1
South Carolina -----	20 242	1.3	157 727	1.5	18 037	1.4	2 588 525	.5	14 587	1.4	1 590 794	.4
South Dakota -----	34 056	1.5	662 184	1.4	30 142	1.5	19 582 565	1.0	28 430	1.5	13 624 006	.9
Tennessee -----	75 078	1.0	422 072	1.1	69 297	1.0	7 086 879	.9	58 527	1.0	3 817 720	.7
Texas -----	180 646	1.0	1 485 658	.8	140 222	1.1	36 381 847	.8	104 318	1.0	18 136 653	.7
Utah -----	13 518	.7	123 215	1.8	11 700	.6	2 093 779	.3	10 173	.6	1 043 347	.3
Vermont -----	5 438	.9	71 810	2.0	5 081	.8	658 765	.4	4 741	.8	477 020	.4
Virginia -----	42 230	1.1	334 280	1.1	38 779	1.1	4 311 840	.6	34 255	1.0	2 449 013	.5
Washington -----	30 263	.7	689 113	.9	25 765	.7	7 999 419	.2	21 282	.6	4 734 673	.2
West Virginia -----	17 022	1.1	49 571	3.4	15 891	1.1	1 294 134	.8	14 531	1.1	555 818	.8
Wisconsin -----	67 964	1.1	1 230 986	1.2	64 229	1.0	10 948 614	.9	61 125	1.0	8 843 649	.9
Wyoming -----	8 715	.6	140 895	1.8	6 756	.6	2 842 020	.3	5 735	.6	1 532 732	.2

See footnotes at end of table.

1992 CENSUS OF AGRICULTURE

APPENDIX C C-21

Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
					Farms		Total		Farms		Total	
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Total (number)	Relative standard error of estimate ¹ (percent)
United States	279 357	.24	49 404 030	.14	1 074 349	.24	96 135 825	.15	803 241	.26	32 545 976	.21
Alabama	1 380	.9	82 015	.3	26 360	1.0	1 453 137	.7	23 925	1.0	771 151	.7
Alaska	93	—	1 566	—	132	—	8 002	—	97	—	3 224	—
Arizona	3 965	1.2	956 454	.3	3 064	1.2	928 783	.2	2 288	1.1	292 848	.3
Arkansas	6 682	.4	2 701 651	.1	29 162	.7	1 632 666	.6	26 011	.7	826 306	.6
California	56 546	.9	7 571 313	.3	19 097	.8	4 702 114	.2	13 105	.8	862 971	.4
Colorado	15 193	.8	3 169 839	.5	14 797	.8	3 086 717	.2	11 596	.8	900 347	.4
Connecticut	524	1.5	5 893	.7	1 345	1.2	78 044	.5	770	1.6	6 878	2.1
Delaware	352	1.6	61 774	.4	411	2.0	28 838	.8	204	2.8	2 856	3.3
Florida	13 500	1.1	1 782 680	.2	15 522	1.3	1 783 968	.5	13 423	1.3	962 527	.5
Georgia	4 701	.9	724 792	.2	23 339	1.2	1 258 062	.8	20 549	1.2	599 899	1.0
Hawaii	2 220	1.5	134 338	.1	874	1.9	191 230	.4	655	2.0	87 620	.4
Idaho	15 487	.8	3 260 006	.4	12 527	.8	1 812 720	.4	8 393	.8	565 016	.5
Illinois	2 061	1.1	328 316	.6	27 405	1.0	1 601 261	.8	19 392	1.0	447 201	1.0
Indiana	1 742	1.0	240 898	.6	25 974	1.1	1 113 473	.9	16 783	1.1	293 836	1.1
Iowa	1 063	1.2	115 724	.9	43 610	1.1	3 963 602	.8	29 987	1.2	1 065 744	1.1
Kansas	6 543	.9	2 680 343	.4	37 889	1.1	6 066 493	.5	30 308	1.2	1 434 017	1.0
Kentucky	2 120	1.1	27 647	.9	52 572	1.0	2 503 680	.8	42 898	1.0	1 088 532	.9
Louisiana	4 064	1.1	897 641	.4	15 036	1.8	844 260	1.0	13 112	1.9	441 725	1.1
Maine	523	1.4	10 241	.4	2 110	.8	104 511	.5	1 098	1.2	11 412	1.6
Maryland	1 063	1.2	56 913	.8	4 978	1.1	283 167	.8	2 921	1.2	51 676	1.2
Massachusetts	1 336	.9	19 909	.5	1 565	1.0	68 331	.5	850	1.3	7 347	1.6
Michigan	3 823	.6	366 465	.3	17 031	.7	1 113 604	.5	7 548	.8	116 106	.8
Minnesota	2 368	1.0	370 404	.5	34 501	1.3	2 543 373	1.0	15 101	1.4	381 869	1.3
Mississippi	2 127	1.0	882 976	.2	21 070	1.8	1 152 331	1.2	18 855	1.8	588 920	1.4
Missouri	2 914	1.1	708 864	.4	68 413	1.4	4 165 357	1.4	58 024	1.4	1 876 845	1.5
Montana	8 883	.8	1 978 167	.4	13 813	.8	2 645 916	.3	12 366	.8	1 506 445	.3
Nebraska	19 328	1.3	6 311 633	.8	30 421	1.4	5 952 880	.5	24 270	1.4	1 857 347	.8
Nevada	2 151	1.0	556 172	.3	1 652	1.0	523 305	.2	1 330	1.0	265 690	.2
New Hampshire	308	1.6	1 746	1.1	956	.9	48 419	.4	494	1.4	3 727	1.8
New Jersey	1 911	.7	80 409	.2	1 934	1.0	69 134	.5	1 152	1.3	12 280	1.4
New Mexico	7 331	1.2	738 272	.4	8 964	1.0	1 589 978	.2	7 248	.9	631 738	.2
New York	2 020	1.0	46 600	.5	18 134	.9	1 470 610	.5	5 880	1.2	72 971	1.2
North Carolina	4 337	1.1	112 630	.5	22 718	.8	901 980	.7	19 531	.9	385 428	.9
North Dakota	816	1.5	187 212	.8	15 183	1.9	1 723 920	1.4	13 216	1.9	837 716	1.5
Ohio	1 755	.9	29 479	.8	29 874	1.1	1 362 489	1.0	16 885	1.0	272 920	1.2
Oklahoma	2 581	1.1	512 487	.4	52 241	1.5	4 736 594	.9	44 115	1.6	1 728 273	1.3
Oregon	15 002	1.0	1 622 235	.5	17 088	1.0	1 465 444	.4	13 105	1.0	629 625	.5
Pennsylvania	2 121	.9	23 096	.6	27 984	1.1	1 699 820	.7	11 461	1.3	157 773	1.3
Rhode Island	132	2.2	2 979	.7	208	2.3	6 057	1.7	133	3.0	967	4.4
South Carolina	1 219	1.4	75 681	.4	10 026	1.4	451 719	.8	8 998	1.3	222 566	.9
South Dakota	1 674	1.2	371 263	.8	22 576	1.5	3 777 822	.9	18 597	1.5	1 604 838	1.0
Tennessee	1 544	1.0	36 974	.5	50 592	1.0	2 162 660	1.1	43 333	1.1	988 550	1.2
Texas	18 784	1.0	4 912 308	.6	134 669	1.1	13 242 832	.6	118 728	1.1	5 186 359	.8
Utah	10 901	.7	1 142 514	.4	7 530	.6	860 830	.3	5 306	.6	356 971	.3
Vermont	255	2.1	2 123	2.3	3 558	.7	310 518	.3	1 048	1.3	11 812	1.7
Virginia	2 312	.8	61 759	.3	27 638	1.0	1 652 191	.6	22 519	1.1	674 068	.8
Washington	14 068	.7	1 641 437	.3	13 484	.7	1 270 275	.3	9 555	.8	310 554	.5
West Virginia	312	1.9	2 769	2.3	12 431	1.1	430 708	.8	10 570	1.1	197 886	.9
Wisconsin	2 146	.9	330 838	.4	46 052	1.1	3 866 998	.9	10 394	1.0	195 810	.9
Wyoming	5 076	.6	1 464 585	.3	5 839	.6	1 424 002	.2	5 114	.6	746 789	.2
Livestock and poultry —Con.												
Geographic area	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)
	United States	.32	9 491 818	.20	191 347	.28	57 563 118	.19	80 839	.23	10 770 391	.13
Alabama	995	1.2	45 454	.3	1 880	1.2	307 672	.5	320	2.0	11 016	2.9
Alaska	34	—	715	—	45	—	2 135	—	27	—	2 233	—
Arizona	305	1.6	88 582	—	281	2.6	83 262	.7	427	2.6	247 068	2
Arkansas	1 688	.8	64 427	.4	1 883	.9	725 497	.4	420	1.7	12 006	2.3
California	3 124	.4	1 249 038	—	2 221	1.2	258 130	.4	3 692	1.0	859 835	.2
Colorado	1 162	1.0	81 825	.2	1 643	1.2	464 479	.4	1 911	1.1	730 272	.2
Connecticut	486	1.2	34 552	.4	293	2.2	5 588	3.6	312	2.3	7 501	3.8
Delaware	137	2.6	8 659	.5	205	2.4	58 913	.7	72	4.2	1 856	6.6
Florida	877	1.4	171 675	.1	1 926	1.6	114 899	1.5	305	2.3	7 465	2.4
Georgia	1 168	1.0	102 001	.1	3 844	1.4	1 000 813	.5	374	2.0	8 237	2.7
Hawaii	57	4.1	10 816	.1	253	2.6	28 570	1.6	62	4.8	22 938	.9
Idaho	1 990	.9	181 785	.3	1 141	1.2	67 343	1.5	1 316	1.1	347 678	.4
Illinois	3 050	1.3	151 503	1.1	13 433	1.1	5 641 115	.6	3 204	1.1	110 302	1.3
Indiana	3 958	1.4	144 532	1.0	11 987	1.3	4 618 663	.6	2 553	1.3	72 386	1.4
Iowa	5 878	1.3	258 925	1.0	31 790	1.0	14 153 158	.6	6 760	1.1	405 354	1.0
Kansas	2 165	1.3	85 132	.9	5 684	1.3	1 584 048	.7	2 120	1.3	206 566	1.1
Kentucky	4 984	.8	186 089	.4	4 879	1.0	782 408	.4	1 032	1.4	37 729	1.6
Louisiana	1 279	1.3	78 976	.3	844	2.5	37 519	2.2	468	2.6	9 244	3.5
Maine	836	.8	42 737	.4	377	1.8	4 768	3.8	457	1.7	12 541	2.5

See footnotes at end of table.

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1992 CENSUS OF AGRICULTURE

Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Livestock and poultry —Con.											
	Milk cows inventory				Hogs and pigs inventory			Sheep and lambs inventory				
	Farms		Total		Farms		Total		Farms			
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)		
Maryland -----	1 329	1.1	94 751	.7	910	1.4	145 519	.9	611	1.7	25 291	1.6
Massachusetts -----	606	1.1	30 906	.4	404	1.7	16 439	2.6	520	1.7	11 341	2.3
Michigan -----	5 198	.7	316 954	.4	4 774	.8	1 231 641	.4	1 831	1.0	97 433	1.5
Minnesota -----	13 380	1.4	609 034	1.0	13 125	1.1	4 668 590	.5	3 451	1.3	221 777	1.3
Mississippi -----	1 216	1.6	64 510	.7	1 270	2.0	160 917	1.0	237	2.9	6 447	3.4
Missouri -----	5 626	1.6	215 920	1.1	11 894	1.5	2 908 509	.8	2 505	1.5	111 362	1.8
Montana -----	1 092	1.0	22 409	.4	1 056	1.3	222 966	.5	2 507	1.1	634 361	.5
Nebraska -----	2 122	1.4	83 295	1.0	10 826	1.4	4 187 389	.7	2 185	1.5	151 777	1.5
Nevada -----	208	1.6	21 769	.1	154	2.8	7 636	3.3	360	2.0	122 188	.2
New Hampshire -----	389	1.1	21 659	.4	289	1.8	4 458	3.6	311	1.8	8 052	2.8
New Jersey -----	450	1.0	23 926	.3	640	1.6	29 645	1.5	691	1.6	12 902	2.1
New Mexico -----	650	1.3	110 422	—	496	2.2	20 233	1.0	1 156	1.4	460 700	.2
New York -----	10 696	.9	721 286	.4	2 094	1.3	90 282	1.1	1 705	1.4	76 682	2.0
North Carolina -----	1 552	.9	99 291	.3	4 311	1.1	5 100 979	.1	574	1.5	19 546	2.4
North Dakota -----	1 925	2.0	74 885	1.5	1 932	1.8	346 082	1.2	1 623	1.9	217 240	1.7
Ohio -----	6 980	1.5	295 677	1.1	9 392	1.2	1 957 945	.8	4 329	1.1	186 444	1.3
Oklahoma -----	2 297	1.2	90 312	.4	3 415	1.4	260 682	.7	1 577	1.5	103 732	1.4
Oregon -----	1 541	1.0	99 035	.3	1 669	1.3	58 276	1.6	3 639	1.1	392 957	.7
Pennsylvania -----	12 448	1.0	625 165	.5	5 097	1.2	1 074 574	.4	2 922	1.2	108 040	1.5
Rhode Island -----	55	3.5	2 565	1.7	48	5.2	5 488	3.3	62	4.6	1 355	11.1
South Carolina -----	540	1.6	31 923	.2	2 237	1.7	327 572	.5	169	2.9	3 144	4.3
South Dakota -----	2 873	1.6	117 454	1.1	6 710	1.5	1 978 195	.9	3 386	1.5	661 872	1.0
Tennessee -----	3 295	.9	152 067	.3	4 912	1.3	604 613	.7	749	1.6	18 379	2.1
Texas -----	5 381	.9	394 587	.2	6 537	1.1	460 175	.8	7 516	.9	2 223 774	.3
Utah -----	1 082	.7	80 369	.2	727	1.3	43 017	1.1	1 721	.9	519 745	.3
Vermont -----	2 373	.6	168 473	.3	347	1.8	3 738	3.5	485	1.9	17 145	2.8
Virginia -----	2 369	.7	140 033	.1	2 085	1.1	412 736	.2	1 727	1.1	117 714	1.0
Washington -----	1 842	.7	242 787	.1	1 407	1.2	56 171	1.4	1 364	1.2	63 584	1.6
West Virginia -----	972	1.1	23 366	.5	841	1.4	26 760	1.0	1 188	1.2	57 091	1.2
Wisconsin -----	30 156	1.3	1 521 969	1.1	6 760	1.1	1 173 783	.7	2 444	1.2	84 956	1.7
Wyoming -----	523	1.1	7 596	.7	379	1.7	39 128	1.0	1 462	.8	921 133	.2
Geographic area	Livestock and poultry —Con.											
	Hens and pullets of laying age inventory					Broilers and other meat-type chickens sold						
	Farms		Total		Farms		Total					
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)		
United States -----	86 245	.23	301 467 288	.05	23 949	.14	5 428 589 485	.02				
Alabama -----	1 533	1.2	11 848 768	.4	2 460	.2	737 608 903	(D)				
Alaska -----	50	—	1 762	—	7	—	(D)	(D)				
Arizona -----	511	2.3	386 550	1.0	15	9.9	(D)	(D)				
Arkansas -----	1 957	.9	17 605 474	.3	3 666	.1	862 403 824	—				
California -----	3 544	1.1	31 231 488	—	298	1.7	225 074 862	.1				
Colorado -----	1 744	1.3	3 798 587	—	74	4.3	(D)	(D)				
Connecticut -----	380	2.2	3 665 628	—	42	4.5	943 569	3.3				
Delaware -----	112	3.4	510 718	.7	870	.3	223 328 864	.1				
Florida -----	1 404	1.7	9 370 984	.3	363	1.0	97 854 566	.3				
Georgia -----	1 686	1.2	20 337 392	.2	2 407	.2	749 018 187	—				
Hawaii -----	174	3.3	916 055	—	14	7.7	1 201 331					
Idaho -----	1 103	1.2	1 347 715	.1	59	4.0	27 206					
Illinois -----	2 222	1.2	3 874 406	.3	123	3.0	60 004					
Indiana -----	2 289	1.2	19 288 539	.2	188	2.3	21 081 124	.6				
Iowa -----	2 590	1.2	11 162 662	.2	652	1.5	9 199 943	.3				
Kansas -----	2 357	1.3	1 621 465	.7	80	3.8	88 483	11.1				
Kentucky -----	3 061	1.2	2 374 849	.2	110	2.1	27 623 677	.7				
Louisiana -----	1 315	2.5	1 763 669	.9	313	.6	115 258 369	—				
Maine -----	545	1.6	4 410 202	—	74	3.7	638 163	2.5				
Maryland -----	827	1.6	3 828 633	.5	1 109	.8	257 209 663	.3				
Massachusetts -----	529	1.6	488 944	.4	45	4.8	125 283	11.1				
Michigan -----	2 417	1.0	4 607 549	.2	386	1.9	400 262	11.5				
Minnesota -----	2 265	1.3	12 640 755	.1	679	1.5	36 828 542	.1				
Mississippi -----	1 400	2.2	5 288 469	.7	1 211	.3	388 128 497	.1				
Missouri -----	4 452	1.3	6 894 100	.2	341	1.1	82 990 149	.1				
Montana -----	1 127	1.3	555 953	.4	47	4.1	47 505	.5				
Nebraska -----	1 967	1.5	6 527 412	—	289	2.2	1 887 881	1.0				
Nevada -----	246	2.5	14 289	14.9	7	12.6	200					
New Hampshire -----	327	1.8	171 109	1.4	25	5.9	(D)	(D)				
New Jersey -----	901	1.6	1 623 478	.1	93	3.5	95 794	.9				
New Mexico -----	892	1.8	1 166 160	—	20	7.9	2 026	24.6				
New York -----	2 058	1.4	3 779 101	.1	142	2.9	1 042 100	2.6				
North Carolina -----	1 895	1.1	14 337 192	.5	2 116	.4	499 071 743	.1				
North Dakota -----	828	2.4	246 952	.5	160	3.1	38 573	3.1				
Ohio -----	3 830	1.1	19 356 658	.1	532	1.8	25 257 739	1.7				
Oklahoma -----	3 159	1.6	4 407 866	.4	529	.6	138 607 293	.1				
Oregon -----	2 451	1.3	2 699 459	.1	208	1.9	18 921 442	.2				
Pennsylvania -----	3 706	1.1	25 150 847	—	839	1.0	108 113 026	.1				
Rhode Island -----	83	3.8	242 095	.3	5	16.2	(D)	(D)				

See footnotes at end of table.

1992 CENSUS OF AGRICULTURE

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Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Livestock and poultry —Con.											
	Hens and pullets of laying age inventory					Broilers and other meat-type chickens sold						
	Farms		Total			Farms		Total			Relative standard error of estimate ¹ (percent)	
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Number	Relative standard error of estimate ¹ (percent)	Number	Number	Relative standard error of estimate ¹ (percent)		
South Carolina -----	895	2.3	5 245 525	—	292	.7	106 171 059	.1	121 283	1.2		
South Dakota -----	1 096	1.8	2 057 618	.3	130	3.4	98 516 358	.2	98 516 358	.2		
Tennessee -----	3 252	1.2	1 468 393	1.0	489	.8	292 758 887	.1	292 758 887	.1		
Texas -----	7 467	1.1	16 886 678	.2	916	.7	5 091	10.4	5 091	10.4		
Utah -----	617	1.4	1 578 523	—	21	6.4						
Vermont -----	502	1.7	151 767	.2	51	4.5	7 266	6.2	7 266	6.2		
Virginia -----	2 022	1.2	4 883 025	.3	640	.4	201 697 436	—	201 697 436	—		
Washington -----	1 870	1.1	5 021 482	.1	164	2.0	33 720 007	.2	33 720 007	.2		
West Virginia -----	1 246	1.4	1 119 500	1.8	136	.8	50 669 811	.1	50 669 811	.1		
Wisconsin -----	2 830	1.2	3 485 859	.3	504	1.7	13 686 548	.2	13 686 548	.2		
Wyoming -----	511	1.4	24 984	7.7	8	12.9	382	9.9	382	9.9		
Selected crops harvested												
Geographic area	Corn for grain or seed					Wheat for grain						
	Farms		Acres		Quantity	Farms		Acres		Quantity		
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Bushels	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Bushels	Relative standard error of estimate ¹ (percent)	
	United States -	503 935	.31	69 339 869	.24	8 697 362 804	.25	292 464	.30	59 089 470	.24	2 206 729 476
Alabama -----	5 305	.9	281 053	.5	24 941 228	.4	870	.9	86 071	.5	3 461 454	.4
Alaska -----	—	—	—	—	—	—	—	—	—	—	—	—
Arizona -----	108	2.8	15 547	1.3	2 104 384	1.7	310	1.0	80 533	.3	6 823 397	.2
Arkansas -----	622	.8	94 606	.3	12 139 499	.3	4 134	.5	815 096	.1	35 234 257	.1
California -----	731	.9	148 616	.5	23 818 559	.5	2 236	.6	569 044	.3	39 456 581	.3
Colorado -----	4 066	.8	891 720	.4	126 076 043	.4	5 597	.7	2 384 979	.3	71 825 463	.3
Connecticut -----	81	2.9	5 357	.8	630 547	.8	5	9.8	74	.7	2 325	.7
Delaware -----	1 029	1.7	154 240	.7	18 142 044	.6	599	1.7	61 754	.8	3 324 145	.7
Florida -----	1 548	1.7	86 407	1.3	6 377 801	1.4	181	2.4	14 625	2.2	637 331	2.7
Georgia -----	7 896	1.2	647 833	.6	60 513 790	.5	2 332	1.0	292 362	.4	12 371 069	.4
Hawaii -----	—	—	—	—	—	—	—	—	—	—	—	—
Idaho -----	761	1.4	38 069	1.1	4 547 254	1.1	6 106	.8	1 384 893	.3	94 094 326	.3
Illinois -----	55 685	1.1	10 770 985	.8	1 532 681 088	.7	17 061	1.2	1 075 805	.9	54 096 203	.9
Indiana -----	37 005	1.3	5 828 308	.8	805 637 216	.7	12 936	1.2	542 058	.8	25 048 728	.8
Iowa -----	72 756	1.1	12 512 815	.8	1 754 149 889	.8	970	1.4	30 072	1.4	1 183 472	1.4
Kansas -----	9 604	1.1	1 748 802	.5	258 720 259	.5	36 623	1.2	9 942 149	.8	329 082 833	.8
Kentucky -----	16 945	.9	1 166 234	.3	145 213 536	.3	3 881	.7	326 268	.3	16 252 236	.2
Louisiana -----	1 452	1.0	269 642	.3	31 066 973	.3	682	.9	119 304	.5	4 432 764	.5
Maine -----	46	3.2	2 739	.5	266 755	.4	14	6.8	415	.5	13 913	.4
Maryland -----	4 631	1.1	454 083	.6	52 596 358	.6	2 774	1.1	188 122	.7	10 233 795	.7
Massachusetts -----	111	2.4	4 893	1.6	488 921	1.7	6	7.9	16	7.7	447	3.9
Michigan -----	18 962	.7	2 221 271	.4	226 824 263	.4	12 433	.8	583 245	.6	29 350 586	.6
Minnesota -----	42 961	1.2	6 123 731	.8	669 550 546	.7	12 753	1.2	2 609 161	.6	126 255 763	.5
Mississippi -----	3 377	1.5	269 080	.6	23 869 788	.5	1 064	1.1	180 840	.5	6 749 633	.4
Missouri -----	21 382	1.6	2 445 489	.9	308 784 225	.8	16 970	1.5	1 319 575	1.0	58 143 633	1.0
Montana -----	222	1.4	18 240	.8	1 864 341	.7	8 395	.8	4 885 520	.4	142 893 032	.4
Nebraska -----	29 679	1.4	7 235 528	.9	930 758 282	.9	12 671	1.4	1 800 432	.9	53 512 448	.9
Nevada -----	—	—	—	—	—	—	57	2.3	9 968	1.0	719 200	.8
New Hampshire -----	34	4.4	1 620	4.3	184 250	5.1	—	—	—	—	—	—
New Jersey -----	1 158	.9	83 805	.5	9 508 526	.5	574	1.1	29 415	.7	1 456 512	.7
New Mexico -----	398	1.4	72 348	.3	11 773 777	.3	892	.7	341 016	.3	10 433 609	.3
New York -----	5 724	.8	518 839	.4	47 702 382	.3	2 200	.9	117 908	.5	6 280 963	.4
North Carolina -----	13 052	1.3	1 019 871	.7	96 617 840	.7	6 883	1.2	490 214	.7	23 164 935	.6
North Dakota -----	3 353	1.0	595 347	.6	37 487 419	.6	22 918	1.7	10 627 608	.9	409 882 271	.8
Ohio -----	37 341	1.3	3 486 744	.9	467 163 760	.9	24 054	1.3	1 089 529	1.0	54 020 364	1.0
Oklahoma -----	791	.9	123 567	.3	16 188 972	.3	16 716	1.5	5 197 545	.7	138 121 986	.7
Oregon -----	153	1.6	13 785	.5	2 234 481	.4	3 025	.8	924 855	.2	46 527 762	.3
Pennsylvania -----	21 610	1.0	1 012 263	.6	112 034 518	.5	7 734	1.0	182 021	.7	8 670 089	.6
Rhode Island -----	16	7.8	172	7.6	11 280	6.7	—	—	—	—	—	—
South Carolina -----	4 346	1.2	311 947	.4	27 192 657	.4	2 237	.9	240 634	.3	10 470 395	.3
South Dakota -----	16 427	1.6	3 097 251	1.0	245 398 567	1.0	12 014	1.5	3 340 644	.8	101 053 975	.7
Tennessee -----	9 143	1.1	605 287	.6	67 755 811	.5	3 011	1.0	276 243	.4	12 175 250	.4
Texas -----	7 393	.9	1 549 680	.5	180 025 937	.5	14 877	1.1	3 726 217	.6	111 202 412	.6
Utah -----	469	1.1	19 142	.7	2 392 540	.7	1 274	.7	177 360	.3	6 295 501	.4
Vermont -----	143	1.2	7 567	1.3	727 744	1.6	11	5.9	287	3.0	8 364	4.6
Virginia -----	6 169	.8	361 326	.3	40 633 506	.3	3 670	.8	241 042	.4	12 598 036	.3
Washington -----	571	1.1	94 619	.5	16 854 783	.5	5 032	.5	2 495 940	.1	120 833 207	.2
West Virginia -----	1 517	1.1	44 564	.8	4 668 501	.7	307	1.5	9 058	.9	438 877	.8
Wisconsin -----	36 674	1.1	2 830 496	.8	283 709 848	.8	2 705	1.0	68 241	.8	2 631 429	.8
Wyoming -----	488	.9	54 341	.6	5 332 116	.6	670	.8	211 312	.5	5 264 505	.4

See footnotes at end of table.

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1992 CENSUS OF AGRICULTURE

Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.											
	Cotton						Soybeans for beans					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Bales	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Bushels	Relative standard error of estimate ¹ (percent)
United States	34 812	.40	10 961 720	.20	15 370 310	.12	381 000	.34	56 351 304	.23	2 053 163 265	.24
Alabama	1 469	.7	431 665	.2	601 506	.2	2 065	.9	305 713	.5	8 871 365	.5
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Arizona	887	.8	428 637	.3	895 992	.2	—	—	—	—	—	—
Arkansas	2 279	.4	947 973	.1	1 574 664	.1	7 604	.5	3 164 168	.1	99 219 546	.1
California	2 351	.5	1 066 060	.1	2 792 443	.1	2	24.0	(D)	(D)	(D)	(D)
Colorado	—	—	—	—	—	—	18	5.2	2 088	10.3	61 671	6.0
Connecticut	—	—	—	—	—	—	5	13.7	(D)	(D)	6 083	13.4
Delaware	—	—	—	—	—	—	1 324	1.7	231 872	.8	6 948 357	.8
Florida	220	2.0	41 685	1.1	57 264	1.3	415	2.1	49 072	1.6	1 523 227	1.6
Georgia	2 015	.7	431 625	.2	668 950	.2	4 193	1.2	513 781	.6	14 391 870	.6
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Illinois	—	—	—	—	—	—	52 339	1.1	8 932 399	.8	373 563 650	.8
Indiana	—	—	—	—	—	—	33 568	1.3	4 729 880	.8	195 049 717	.8
Iowa	—	—	—	—	—	—	59 945	1.1	8 243 067	.8	352 590 997	.8
Kansas	7	7.5	1 393	1.9	1 542	.9	14 743	1.3	1 669 958	1.0	56 854 327	1.0
Kentucky	—	—	—	—	—	—	7 185	.7	1 030 180	.3	37 796 827	.3
Louisiana	2 599	.9	827 792	.3	1 219 599	.2	3 903	.9	1 112 815	.4	33 360 521	.3
Maine	—	—	—	—	—	—	1	—	(D)	(D)	(D)	(D)
Maryland	—	—	—	—	—	—	3 663	1.1	503 181	.6	16 226 822	.6
Massachusetts	—	—	—	—	—	—	—	—	—	—	—	—
Michigan	—	—	—	—	—	—	13 175	.7	1 332 114	.5	41 633 625	.5
Minnesota	—	—	—	—	—	—	33 581	1.2	5 078 066	.8	162 137 215	.7
Mississippi	3 344	1.0	1 332 855	.3	2 075 048	.2	4 644	1.2	1 652 840	.4	53 569 740	.4
Missouri	1 045	1.3	313 226	.5	500 430	.4	26 600	1.6	4 208 729	1.0	150 385 224	1.0
Montana	—	—	—	—	—	—	2	19.2	(D)	(D)	(D)	(D)
Nebraska	—	—	—	—	—	—	20 687	1.5	2 274 494	1.1	88 842 343	1.0
Nevada	—	—	—	—	—	—	—	—	—	—	—	—
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	1 128	.9	131 768	.6	4 378 643	.5
New Mexico	459	1.0	53 393	.4	74 954	.3	5	7.0	545	1.6	21 144	.6
New York	—	—	—	—	—	—	627	1.1	48 107	.6	1 143 324	.7
North Carolina	2 035	1.3	357 766	.4	445 466	.4	13 080	1.4	1 287 573	.8	34 176 793	.7
North Dakota	—	—	—	—	—	—	2 849	1.0	632 308	.5	16 116 007	.5
Ohio	—	—	—	—	—	—	31 635	1.2	3 776 952	1.0	145 432 936	.9
Oklahoma	1 726	1.3	296 484	.6	212 041	.5	1 196	1.2	193 302	.6	4 975 025	.6
Oregon	—	—	—	—	—	—	5 287	.9	267 633	.6	9 598 286	.6
Pennsylvania	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	861	.8	191 690	.2	223 658	.2	4 015	1.1	532 909	.4	11 521 171	.3
South Dakota	—	—	—	—	—	—	11 502	1.5	2 053 496	1.0	56 705 835	1.0
Tennessee	2 137	1.1	598 838	.3	793 302	.2	5 232	1.1	915 223	.4	30 313 156	.4
Texas	11 237	1.1	3 620 070	.6	3 212 770	.5	1 985	1.2	383 837	.9	12 008 961	.9
Utah	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	5	—	375	—	15 876	—
Virginia	141	1.2	20 568	.2	20 681	.2	3 709	.9	507 878	.3	15 742 573	.3
Washington	—	—	—	—	—	—	1	—	(D)	(D)	(D)	(D)
West Virginia	—	—	—	—	—	—	125	1.9	9 557	1.1	313 330	1.1
Wisconsin	—	—	—	—	—	—	8 957	1.0	575 087	.7	17 659 688	.7
Wyoming	—	—	—	—	—	—	—	—	—	—	—	—
Selected crops harvested —Con.												
Geographic area	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						Vegetables harvested for sale (see text)					
	Farms		Acres		Quantity		Farms		Acres			
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Tons, dry	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)		
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Tons, dry	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)		
United States	905 296	.22	56 596 466	.20	126 981 302	.18	61 969	.20	3 782 358	.09		
Alabama	17 480	.9	678 726	.8	1 409 044	.7	1 363	1.3	25 883	.9		
Alaska	230	—	(D)	(D)	23 510	—	54	—	262	—		
Arizona	1 242	1.2	191 277	.5	1 037 443	.5	360	1.5	118 125	.1		
Arkansas	21 542	.7	1 111 909	.6	2 106 936	.6	605	1.4	14 701	.7		
California	9 286	.7	1 531 230	.4	7 567 342	.3	3 713	.8	1 016 744	.1		
Colorado	13 160	.8	1 449 177	.6	3 464 389	.6	660	1.3	44 210	.5		
Connecticut	1 752	1.2	81 281	.9	176 190	.8	579	1.5	9 994	.9		
Delaware	428	2.1	11 947	2.0	30 451	1.9	271	1.9	42 380	.3		
Florida	4 892	1.3	270 404	1.0	664 029	.9	1 988	1.3	299 867	.2		
Georgia	14 241	1.1	508 575	.9	1 221 143	.9	2 307	1.2	101 193	.4		
Hawaii	9	9.9	(D)	(D)	4 685	1.6	602	1.8	5 129	1.7		
Idaho	11 940	.8	1 063 292	.6	3 389 557	.6	790	1.2	50 825	.7		
Illinois	27 481	1.0	902 899	1.0	2 463 316	1.0	1 714	1.2	99 422	.9		
Indiana	24 321	1.1	686 707	1.1	1 712 613	1.1	1 302	1.3	33 860	1.0		
Iowa	44 768	1.1	1 762 425	1.1	5 107 237	1.1	905	1.3	14 849	1.5		
Kansas	32 926	1.1	2 509 904	1.0	5 938 634	.9	434	1.9	3 961	3.1		
Kentucky	47 478	1.0	1 837 802	.8	3 757 782	.8	1 363	1.2	6 818	1.1		
Louisiana	8 956	1.6	383 292	1.1	851 288	1.0	647	2.3	8 041	1.6		
Maine	3 119	.8	214 129	.6	332 197	.6	582	1.4	10 251	.7		

See footnotes at end of table.

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Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested—Con.									
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						Vegetables harvested for sale (see text)			
	Farms		Acres		Quantity		Farms		Acres	
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Tons, dry	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)
Maryland-----	5 532	1.1	222 184	1.0	545 526	.9	1 167	1.4	36 313	.9
Massachusetts-----	2 269	1.0	103 596	.8	213 589	.8	995	1.1	16 577	.9
Michigan-----	22 285	.7	1 283 598	.6	2 821 347	.6	3 007	.7	138 851	.4
Minnesota-----	38 336	1.3	2 098 145	1.2	5 082 391	1.1	3 461	.9	234 416	.6
Mississippi-----	15 121	1.7	639 152	1.3	1 317 502	1.3	852	2.3	13 216	1.6
Missouri-----	57 749	1.4	3 470 298	1.5	6 109 410	1.5	954	1.5	18 881	.9
Montana-----	12 058	.8	1 983 629	.4	3 670 309	.4	102	2.9	583	4.6
Nebraska-----	27 433	1.4	2 895 217	.8	6 068 201	.9	236	2.5	2 250	4.8
Nevada-----	1 638	1.0	380 959	.3	1 082 233	.3	28	5.1	1 145	1.7
New Hampshire-----	1 492	.8	77 605	.7	136 963	.7	327	1.6	3 324	1.5
New Jersey-----	3 060	1.0	118 536	.7	238 792	.7	1 861	.9	64 647	.3
New Mexico-----	4 502	1.2	267 507	.5	934 026	.4	658	1.2	51 896	.2
New York-----	22 376	1.0	2 013 646	.7	4 268 674	.6	2 758	1.1	139 841	.3
North Carolina-----	18 268	.8	466 944	.8	922 347	.8	2 775	1.2	57 315	.7
North Dakota-----	15 695	1.9	2 467 853	1.7	3 267 324	1.6	131	3.4	922	4.3
Ohio-----	33 080	1.1	1 200 789	1.1	2 949 243	1.1	2 349	1.1	55 024	.6
Oklahoma-----	32 299	1.6	2 112 710	1.3	3 992 843	1.2	607	1.8	21 868	1.0
Oregon-----	12 066	1.0	872 535	.6	2 276 437	.6	1 509	.8	147 616	.2
Pennsylvania-----	32 640	1.1	1 787 980	.9	4 091 919	.8	3 372	1.2	44 829	.7
Rhode Island-----	245	2.1	7 614	2.3	15 864	2.6	126	1.4	1 868	2.6
South Carolina-----	7 056	1.3	244 228	1.0	481 619	.9	1 420	1.7	38 545	.7
South Dakota-----	21 402	1.5	3 356 484	1.1	5 734 128	1.1	135	3.0	1 222	4.9
Tennessee-----	40 529	1.1	1 410 204	1.1	2 616 430	1.1	1 399	1.3	34 269	.7
Texas-----	74 836	1.1	3 607 387	1.0	8 055 561	.9	3 286	1.1	189 997	.6
Utah-----	8 660	.6	660 762	.4	2 073 029	.4	361	1.4	8 008	.9
Vermont-----	4 200	.8	408 552	.5	776 231	.4	330	1.9	2 534	1.9
Virginia-----	25 282	1.0	1 101 530	.7	2 180 604	.7	1 215	1.1	27 996	.4
Washington-----	10 396	.7	740 586	.5	2 669 837	.5	1 605	.8	172 057	.3
West Virginia-----	13 270	1.1	452 480	.9	753 877	.8	409	1.8	1 913	2.4
Wisconsin-----	51 238	1.0	3 911 258	1.0	8 621 168	1.0	4 269	.9	347 581	.6
Wyoming-----	5 032	.6	1 017 562	.3	1 756 092	.3	26	6.0	341	1.6
Geographic area	Selected crops harvested—Con.									
	Land in orchards									
	Farms				Acres				Relative standard error of estimate ¹ (percent)	
	Number	Relative standard error of estimate ¹ (percent)			Number					
United States -----	116 207	.36			4 770 778			.22		
Alabama-----	2 309	1.1			34 534			1.1		
Alaska-----	2	—			(D)			(D)		
Arizona-----	1 162	1.6			68 465			.6		
Arkansas-----	762	1.3			13 839			2.4		
California-----	40 298	.9			2 245 781			.4		
Colorado-----	840	1.5			10 027			2.1		
Connecticut-----	332	2.1			4 481			1.5		
Delaware-----	25	5.7			1 260			.2		
Florida-----	10 258	1.3			914 642			.4		
Georgia-----	4 146	1.4			153 247			.7		
Hawaii-----	2 537	1.7			38 590			.8		
Idaho-----	472	1.5			10 939			1.4		
Illinois-----	882	1.5			11 067			1.6		
Indiana-----	755	1.5			6 393			1.4		
Iowa-----	481	1.8			2 784			2.3		
Kansas-----	448	1.8			6 600			4.8		
Kentucky-----	982	1.4			4 778			1.6		
Louisiana-----	1 019	2.3			(D)			(D)		
Maine-----	396	1.7			6 463			1.0		
Maryland-----	517	1.9			5 798			1.8		
Massachusetts-----	525	1.5			7 848			1.5		
Michigan-----	3 531	.7			162 183			.5		
Minnesota-----	509	1.6			4 568			1.3		
Mississippi-----	1 196	2.0			17 817			2.2		
Missouri-----	886	1.5			13 253			1.9		
Montana-----	296	2.1			1 598			3.3		
Nebraska-----	142	2.9			752			6.9		
Nevada-----	68	4.2			476			1.8		
New Hampshire-----	242	2.0			3 877			1.1		
New Jersey-----	701	1.4			16 871			.5		
New Mexico-----	1 885	1.4			31 648			1.0		
New York-----	2 938	1.1			112 905			.5		
North Carolina-----	1 522	1.2			20 535			1.5		
North Dakota-----	36	5.7			50			6.9		
Ohio-----	1 717	1.1			17 563			1.0		
Oklahoma-----	2 112	1.6			50 339			1.7		
Oregon-----	4 200	1.0			96 166			.7		
Pennsylvania-----	2 317	1.2			57 656			.5		
Rhode Island-----	72	3.6			664			4.5		

See footnotes at end of table.

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TIPS [UPF] BATCH_146 [ACEN,C_ARLEDGE] 10/25/94 12:24 PM MACHINE: EPCV22 DATA:VOL1_TIPS_APX_01.TIPS;1 * 10/20/94 13:40:00 TAPE: NOrel FRAME: 20 TSF:TIPS92-13403879.DAT;1 10/20/94 13:40:48 UTF:TIPS93-13403879.DAT;1 10/20/94 13:40:48 META:VOL1_TIPS96_APX_01.DAT;23 10/20/94 13:42:04

Table F. Reliability Estimates for the United States and State Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested—Con.			
	Land in orchards			
	Farms		Acres	
	Number	Relative standard error of estimate ¹ (percent)	Number	Relative standard error of estimate ¹ (percent)
South Carolina -----	1 157	1.9	42 075	.5
South Dakota -----	40	4.9	293	1.7
Tennessee -----	1 182	1.4	6 193	1.7
Texas -----	9 995	1.0	216 427	.9
Utah-----	790	1.2	12 833	.8
Vermont -----	258	2.2	4 894	1.7
Virginia -----	1 387	1.2	32 963	.7
Washington -----	6 220	.7	256 282	.3
West Virginia -----	558	1.7	15 014	.8
Wisconsin-----	1 079	1.4	13 455	1.5
Wyoming-----	23	6.2	73	4.6

¹Due to some minor revisions, some relative standard error estimates (percent) may not agree with what was published in State volume table C.

²Data are based on a sample of farms.